

results of MI.

BLASTP 2.2.11 [Jun-05-2005]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997.), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1121175828-22381-194065720289.BLASTQ2

Query=

(14 letters) TKRNTNRRPIOVAF gandlypo specific

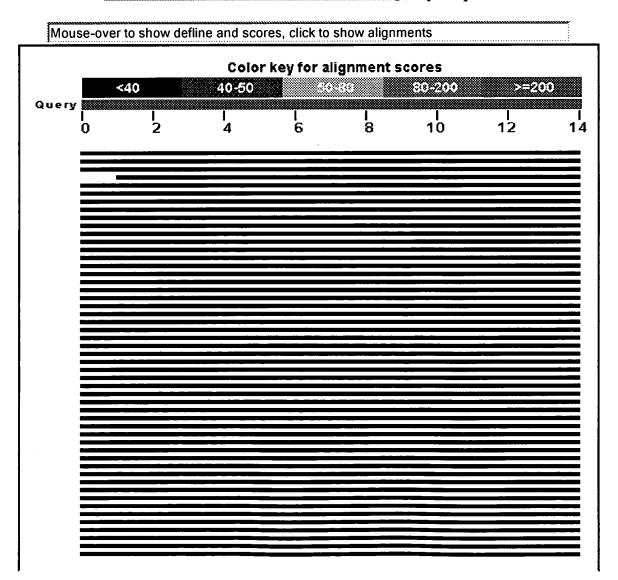
Database: All non-redundant GenBank CDS

translations+PDB+SwissProt+PIR+PRF excluding environmental samples 2,662,429 sequences; 907,986,452 total letters

If you have any problems or questions with the results of this search please refer to the **BLAST FAQS**

Taxonomy reports

Distribution of 500 Blast Hits on the Query Sequence



Sequences producing significant alignments:	Score (Bits)	E Value
<pre>gi 30090044 qb AAP21074.1 capsid protein [Hepatitis C virus] qi 1066588 qb AAC42178.1 core protein</pre>	33.5 33.5	1.0
gi 532381 gb AAA21037.1 polyprotein	33.5	1.0
gi 625598 pir PQ0805 core protein - hepatitis C virus (fragment	31.6	4.0
gi 266821 sp P29846 POLG_HCVTW Genome polyprotein [Contains:	31.2	5.2
<pre>gi 221611 dbj BAA14233.1 unnamed protein product [Hepatitis</pre>	31.2	5.2
<u>gi 643120 emb CAA58888.1 </u> orf [Hepatitis C virus] >gi 281308	31.2	5.2
<pre>gi 27531320 dbj BAC54272.1 poly protein [Hepatitis C virus t gi 21670945 dbj BAC02482.1 polyprotein [Hepatitis C virus ty</pre>	$\frac{31.2}{31.2}$	5.2 5.2
gi 464172 dbj BAA03732.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 1372958 qb AAB02127.1 polyprotein [Hepatitis C virus]	31.2	5.2
<pre>gi 23957857 gb AAD44718.2 polyprotein [Hepatitis C virus]</pre>	31.2	5.2
gi 794212 gb AAA65815.1 precursor protein	31.2	5.2
gi 62132135 qb AAX68891.1 core protein [Hepatitis C virus] >	31.2	5.2
gi 62132133 gb AAX68890.1 core protein [Hepatitis C virus] >	$\frac{31.2}{31.3}$	5.2 5.2
<pre>qi 62132127 qb AAX68887.1 core protein [Hepatitis C virus] qi 62132125 qb AAX68886.1 core protein [Hepatitis C virus]</pre>	$\frac{31.2}{31.2}$	5.2
gi 62132121 gb AAX68884.1 core protein [Hepatitis C virus]	$\frac{31.2}{31.2}$	5.2
gi 62132119 gb AAX68883.1 core protein [Hepatitis C virus]	31.2	5.2
gi 62132113 gb AAX68880.1 core protein [Hepatitis C virus]	31.2	5.2
<pre>gi 62132111 gb AAX68879.1 core protein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
<pre>gi 62132109 qb AAX68878.1 core protein [Hepatitis C virus] ></pre>	31.2	5.2
gi 62132107 gb AAX68877.1 core protein [Hepatitis C virus] >	31.2	5.2
<pre>gi 62132105 qb AAX68876.1 core protein [Hepatitis C virus] gi 62132101 qb AAX68874.1 core protein [Hepatitis C virus]</pre>	31.2	5.2 5.2
<pre>gi 62132101 qb AAX68874.1 core protein [Hepatitis C virus] gi 62132091 qb AAX68869.1 core protein [Hepatitis C virus] ></pre>	$\frac{31.2}{31.2}$	5.2
gi 62132089 gb AAX68868.1 core protein [Hepatitis C virus]	31.2	5.2
gi 62132087 gb AAX68867.1 core protein [Hepatitis C virus] >	31.2	5.2
gi 62132081 gb AAX68864.1 core protein [Hepatitis C virus]	31.2	5.2
<pre>gi 62132079 gb AAX68863.1 core protein [Hepatitis C virus] ></pre>	<u>31.2</u>	5.2
<pre>gi 62132061 qb AAX68854.1 core protein [Hepatitis C virus]</pre>	31.2	5.2
gi 62132059 qb AAX68853.1 core protein [Hepatitis C virus]	31.2	5.2
<pre>gi 62132051 qb AAX68849.1 core protein [Hepatitis C virus] gi 54633720 qb AAV35986.1 core protein [Hepatitis C virus]</pre>	$\frac{31.2}{31.2}$	5.2 5.2
gi 443855 emb CAA82584.1 unnamed protein product [Hepatitis	31.2	5.2
gi 443853 emb CAA82583.1 unnamed protein product [Hepatitis	31.2	5.2
gi 443911 emb CAA82612.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>gi 443909 emb CAA82611.1 unnamed protein product [Hepatitis</pre>	<u>31.2</u>	5.2
qi 443907 emb CAA82610.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>qi 443905 emb CAA82609.1 unnamed protein product [Hepatitis gi 443903 emb CAA82608.1 unnamed protein product [Hepatitis</pre>	$\frac{31.2}{21.0}$	5.2
<pre>qi 443903 emb CAA82608.1 unnamed protein product [Hepatitis gi 443901 emb CAA82607.1 unnamed protein product [Hepatitis</pre>	$\frac{31.2}{31.2}$	5.2 5.2
gi 443899 emb CAA82606.1 unnamed protein product [Hepatitis	$\frac{31.2}{31.2}$	5.2
qi 443897 emb CAA82605.1 unnamed protein product [Hepatitis	31.2	5.2
gi 443893 emb CAA82603.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>gi 443883 emb CAA82598.1 unnamed protein product [Hepatitis</pre>	<u>31.2</u>	5.2
qi 443879 emb CAA82596.1 unnamed protein product [Hepatitis	<u>31.2</u>	5.2
gi 443877 emb CAA82595.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>gi 443875 emb CAA82594.1 unnamed protein product [Hepatitis gi 443871 emb CAA82592.1 unnamed protein product [Hepatitis</pre>	<u>31.2</u> <u>31.2</u>	5.2 5.2
gi 443869 emb CAA82591.1 unnamed protein product [Hepatitis	$\frac{31.2}{31.2}$	5.2
gi 443867 emb CAA82590.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>gi 443865 emb CAA82589.1 unnamed protein product [Hepatitis</pre>	31.2	5.2
<pre>gi 443863 emb CAA82588.1 unnamed protein product [Hepatitis</pre>	31.2	5.2
qi 443861 emb CAA82587.1 unnamed protein product [Hepatitis	31.2	5.2
gi 443859 emb CAA82586.1 unnamed protein product [Hepatitis	31.2	5.2
<pre>qi 443857 emb CAA82585.1 unnamed protein product [Hepatitis gi 443851 emb CAA82582.1 unnamed protein product [Hepatitis</pre>	$\frac{31.2}{31.2}$	5.2 5.2
diff. 100011 supplementation of the state of	31.2	J. 2

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polyprotein [Hepatitis C virus type 5
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                                                                                 5.2
gi | 2462304 | emb | CAA73640.1 |
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                              HCV polyprotein [Hepatitis C virus ty
                                                                                 5.2
gi | 2252490 | emb | CAA72338.1 |
                                                                                 5.2
                              polyprotein [Hepatitis C virus type 6
                                                                        31.2
gi|2326455|emb|CAA72801.1|
                                                                                 5.2
                             capsid protein [Hepatitis C virus type
                                                                        31.2
qi|996026|emb|CAA62679.1|
                             capsid protein [Hepatitis C virus type
                                                                                 5.2
gi|996024|emb|CAA62678.1|
                                                                        31.2
gi|996022|emb|CAA62676.1|
                             capsid protein [Hepatitis C virus type
                                                                        31.2
                                                                                 5.2
gi|296160|emb|CAA50531.1|
                             core protein [Hepatitis C virus]
                                                                        31.2
                                                                                 5.2
                                                                        31.2
                                                                                 5.2
gi|4753721|emb|CAB41951.1|
                              polyprotein [Hepatitis C virus]
gi | 4753719 | emb | CAB41950.1 |
                              polyprotein [Hepatitis C virus]
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                                                                                 5.2
                              polyprotein [Hepatitis C virus]
gi | 2764398 | emb | CAA03854.1 |
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                              core protein [Hepatitis C virus]
gi | 22324793 | gb | AAM95640.1 |
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                                                                                 5.2
gi|22212866|gb|AAM94419.1|
                              polyprotein [Hepatitis C virus]
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gi|51862054|gb|AAU11692.1|
                              core protein [Hepatitis C virus] >...
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                              core protein [Hepatitis C virus]
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qi|51862039|qb|AAU11690.1|
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gi | 51861971 | gb | AAU11682.1 |
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                              core protein [Hepatitis C virus]
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gi | 51861956 | gb | AAU11680.1 |
                              core protein [Hepatitis C virus]
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                                                                                 5.2
qi|51861941|qb|AAU11678.1|
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                                                                                 5.2
gi|51861871|gb|AAU11669.1|
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gi|51861820|gb|AAU11662.1|
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gi|51861813|gb|AAU11661.1|
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                              core protein [Hepatitis C virus] >...
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gi|51861806|gb|AAU11660.1|
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gi | 51861784 | gb | AAU11657.1 |
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gi|51861694|gb|AAU11647.1|
gi|51861650|gb|AAU11642.1|
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                              core protein [Hepatitis C virus]
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                                                                                 5.2
gi|51861507|qb|AAU11625.1|
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gi|51861479|gb|AAU11621.1|
gi|51861473|gb|AAU11620.1|
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                                                                                 5.2
gi|51861465|gb|AAU11619.1|
                              core protein [Hepatitis C virus]
                                                                        31.2
                                                                                 5.2
                              core protein [Hepatitis C virus]
                                                                        31.2
                                                                                 5.2
gi|51861398|gb|AAU11609.1|
                              core protein [Hepatitis C virus]
gi|51861390|gb|AAU11608.1|
                                                                        31.2
                                                                                 5.2
                                                                        31.2
gi|51861351|gb|AAU11603.1|
                              core protein [Hepatitis C virus] >...
                                                                                 5.2
                                                                        31.2
                                                                                 5.2
gi | 51861286 | gb | AAU11596.1 |
                              core protein [Hepatitis C virus]
gi|973344|gb|AAA75050.1|
                            core protein [Hepatitis C virus]
                                                                        31.2
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gi|973338|gb|AAA75047.1|
                            core protein [Hepatitis C virus]
                                                                        31.2
gi|973336|gb|AAA75046.1|
                            core protein [Hepatitis C virus]
                                                                        31.2
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gi | 44885956 | dbj | BAD11970.1 |
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gi|44885950|dbj|BAD11967.1|
                               polyprotein [Hepatitis C virus type
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gi|44885944|dbj|BAD11964.1|
                               polyprotein [Hepatitis C virus type
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                                                                                 5.2
gi|44885942|dbj|BAD11963.1|
                               polyprotein [Hepatitis C virus type
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                                                                                 5.2
gi|44885940|dbj|BAD11962.1|
                               polyprotein [Hepatitis C virus type
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                                                                                 5.2
gi | 44885938 | dbj | BAD11961.1 |
                               polyprotein [Hepatitis C virus type
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                                                                                 5.2
gi|44885936|dbj|BAD11960.1|
                               polyprotein [Hepatitis C virus ty...
                                                                        31.2
                                                                                 5.2
                               polyprotein [Hepatitis C virus type
gi | 44885934 | dbj | BAD11959.1 |
                                                                        31.2
                                                                                 5.2
                               polyprotein [Hepatitis C virus type
                                                                        31.2
gi|44885928|dbj|BAD11956.1|
                                                                                 5.2
                               polyprotein [Hepatitis C virus type
                                                                        31.2
                                                                                 5.2
gi | 44885926 | dbj | BAD11955.1 |
                                                                        31.2
                                                                                 5.2
gi | 44885924 | dbj | BAD11954.1 |
                               polyprotein [Hepatitis C virus type
gi|44885922|dbj|BAD11953.1|
                               polyprotein [Hepatitis C virus type
                                                                        31.2
gi|2599512|gb|AAB84147.1| core protein [Hepatitis C virus type 4
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                                                                                 5.2
                               polyprotein [Hepatitis C virus]
                                                                        31.2
gi|62006147|dbj|BAD91386.1|
                                                                                 5.2
gi|56783349|emb|CAG77588.1|
                               core protein [Hepatitis C virus]
                                                                        31.2
                                                                                 5.2
                                                                        31.2
gi | 56783347 | emb | CAG77587.1 |
                               core protein [Hepatitis C virus]
                                                                                 5.2
                                                                        31.2
gi | 56783343 | emb | CAG77585.1 |
                               core protein [Hepatitis C virus]
                                                                                 5.2
gi|56783341|emb|CAG77584.1|
                               core protein [Hepatitis C virus]
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                                                                                 5.2
gi|56783337|emb|CAG77582.1|
                               core protein [Hepatitis C virus]
                                                                        31.2
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                               core protein [Hepatitis C virus]
gi|56783335|emb|CAG77581.1|
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                                                                                 5.2
                              polyprotein [Hepatitis C virus]
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qi|3550765|dbj|BAA32667.1|
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gi|3550763|dbj|BAA32666.1|
                              polyprotein [Hepatitis C virus]
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                                                                        31.2
gi|3550759|dbj|BAA32664.1|
                              polyprotein [Hepatitis C virus]
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                                                                        31.2
                                                                                 5.2
gi|20146996|gb|AAM09928.1|
                              polyprotein [Hepatitis C virus]
gi | 20146994 | gb | AAM09927.1 |
                              polyprotein [Hepatitis C virus]
                                                                        <u>31.2</u>
gi | 20146988 | gb | AAM09924.1 |
                              polyprotein [Hepatitis C virus]
                                                                        <u>31.2</u>
                                                                                 5.2
                              polyprotein [Hepatitis C virus] >g...
                                                                                 5.2
gi|20146966|gb|AAM09913.1|
                                                                        31.2
                              polyprotein [Hepatitis C virus]
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gi|18958550|gb|AAL82642.1|
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                              polyprotein [Hepatitis C virus]
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gi|18958548|gb|AAL82641.1|
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gi|18958544|gb|AAL82639.1|
                              polyprotein [Hepatitis C virus]
                                                                                 5.2
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gi | 23574361 | dbj | BAC20466.1 |
                               core protein [Hepatitis C virus]
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                                                                        31.2
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gi|23574350|dbj|BAC20465.1| core protein [Hepatitis C virus]
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                                                                       31.2
gi|20977961|gb|AAM33396.1| polyprotein precursor [Hepatitis C...
                                                                       31.2
                                                                                5.2
                                                                                5.2
                             polyprotein precursor [Hepatitis C vi
                                                                       31.2
gi|20977959|gb|AAM33395.1|
                             polyprotein precursor [Hepatitis C vi
                                                                                5.2
gi|20977957|gb|AAM33394.1|
                                                                       31.2
                             polyprotein precursor [Hepatitis C vi
                                                                                5.2
gi|20977953|gb|AAM33392.1|
                                                                       31.2
                                                                                5.2
gi|20977951|gb|AAM33391.1|
                             polyprotein precursor [Hepatitis C vi
                                                                       31.2
                             polyprotein precursor [Hepatitis C vi
                                                                                5.2
gi | 20977949 | gb | AAM33390.1 |
                                                                       31.2
                                                                                5.2
gi|22129793|ref|NP 671491.1|
                              polyprotein [Hepatitis C virus] ...
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                                                                                5.2
gi|67482738|gb|AAY68015.1|
                             core protein [Hepatitis C virus]
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gi|67482724|gb|AAY68008.1|
                             core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
gi | 67482722 | gb | AAY 68007.1 |
                             core protein [Hepatitis C virus]
gi|67482712|gb|AAY68002.1|
                             core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
                                                                       31.2
gi|913996|qb|AAB34375.1| polyprotein [Hepatitis C virus]
                                                                                5.2
                           putative core protein [hepatitis C v...
                                                                       31.2
                                                                                5.2
gi|263638|qb|AAB24942.1|
                           polyprotein(E2, NS1, gp35, E1, core ...
gi|807179|gb|AAB31745.1|
                                                                       31.2
                            core nucleocapsid protein [Hepatitis C
                                                                       31.2
                                                                                5.2
gi|9313043|gb|AAB28968.2|
                            core protein [Hepatitis C virus]
                                                                       <u>31.2</u>
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gi|9247185|gb|AAB46894.2|
                            putative core protein [hepatitis C ...
                                                                       31.2
gi|1176429|gb|AAB35341.1|
                             core protein [Hepatitis C virus] >...
                                                                       31.2
gi|30082595|gb|AAP20793.1|
                             core protein [Hepatitis C virus]
                                                                       <u>31.2</u>
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gi|30082583|gb|AAP20792.1|
                             core protein [Hepatitis C virus]
                                                                                5.2
                                                                       31.2
gi|30082579|gb|AAP20791.1|
                                                                       <u>31.2</u>
                             core protein [Hepatitis C virus]
gi|30082571|gb|AAP20790.1|
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                                                                                5.2
                             core protein [Hepatitis C virus]
gi|30082563|gb|AAP20789.1|
gi|19879552|qb|AAL50215.1|
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                             polyprotein [Hepatitis C virus]
                                                                       31.2
                             polyprotein [Hepatitis C virus]
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gi|19879550|gb|AAL50214.1|
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                             core protein [Hepatitis C virus]
                                                                                5.2
gi|19879548|gb|AAL58627.1|
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                             core protein [Hepatitis C virus]
                                                                       31.2
gi|19879546|gb|AAL58626.1|
                                                                       31.2
gi|19879544|gb|AAL58625.1|
                             core protein [Hepatitis C virus]
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                                                                                5.2
                             core protein [Hepatitis C virus] >...
gi|19879542|gb|AAL58624.1|
                                                                       31.2
                                                                                5.2
gi|19879540|gb|AAL58623.1|
                             core protein [Hepatitis C virus]
                              core protein [Hepatitis C virus]
                                                                       31.2
gi|19879538|gb|AAL58622.1|
                              core protein [Hepatitis C virus] >...
                                                                       31.2
                                                                                5.2
gi|19879536|qb|AAL58621.1|
                              core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
gi|19879534|gb|AAL58620.1|
                              core protein [Hepatitis C virus]
                                                                       31.2
gi|19879530|qb|AAL58618.1|
                              core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
gi|19879528|gb|AAL58617.1|
                                                                       31.2
                                                                                5.2
gi|19879526|gb|AAL58616.1|
                             core protein [Hepatitis C virus]
qi|19879524|qb|AAL58615.1|
                             core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
                                                                       31.2
gi|19879520|gb|AAL58613.1|
                             core protein [Hepatitis C virus]
                                                                                5.2
                             core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
gi|19879516|gb|AAL58611.1|
                             core protein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
qi|19879512|qb|AAL58609.1|
gi|19879476|gb|AAL58591.1|
                             core protein [Hepatitis C virus]
                                                                       <u>31.2</u>
                                                                       31.2
                             core protein [Hepatitis C virus]
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gi|19879474|gb|AAL58590.1|
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gi|19879472|gb|AAL58589.1|
                                                                       31.2
                             core protein [Hepatitis C virus]
gi|19879470|gb|AAL50213.1|
                             polyprotein [Hepatitis C virus]
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gi | 19879460 | qb | AAL58585.1 |
                             core protein [Hepatitis C virus]
                                                                       31.2
gi|19879458|gb|AAL58584.1|
                              core protein [Hepatitis C virus]
                                                                       31.2
                              core protein [Hepatitis C virus]
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gi|19879456|gb|AAL58583.1|
                           core protein [Hepatitis C virus] >gi...
                                                                       31.2
                                                                                5.2
gi|725464|gb|AAA64476.1|
                             polyprotein [Hepatitis C virus]
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                                                                                5.2
gi|19744436|gb|AAL96491.1|
                                                                                5.2
gi|19568933|gb|AAL91977.1|
                             polyprotein [Hepatitis C virus type 1
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                             polyprotein [Hepatitis C virus]
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gi|50235322|gb|AAT69968.1|
                             polyprotein [Hepatitis C virus]
gi|62362180|qb|AAX81527.1|
                                                                       <u>31.2</u>
                                                                                5.2
                             polyprotein [Hepatitis C virus type 1
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                                                                                5.2
gi|12831193|qb|AAK08509.1|
                             polyprotein [Hepatitis C virus]
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gi|67811065|gb|AAY82082.1|
                             polyprotein [Hepatitis C virus]
                                                                       31.2
                                                                                5.2
gi|67811063|gb|AAY82081.1|
                                                                                5.2
                                                                       31.2
gi | 67811061 | gb | AAY82080.1 |
                             polyprotein [Hepatitis C virus]
                                                                                5.2
                             polyprotein [Hepatitis C virus]
                                                                       31.2
qi | 67811059 | qb | AAY82079.1 |
                             polyprotein [Hepatitis C virus]
gi|67811057|gb|AAY82078.1|
                                                                       31.2
                             polyprotein [Hepatitis C virus]
gi|67811055|gb|AAY82077.1|
                                                                       31.2
                                                                                5.2
                             polyprotein [Hepatitis C virus]
gi | 67811052 | gb | AAY82076.1 |
                                                                       <u>31.2</u>
                                                                                5.2
                             polyprotein [Hepatitis C virus]
                                                                       31.2
gi|67811050|gb|AAY82075.1|
                             polyprotein [Hepatitis C virus]
                                                                       <u>31.2</u>
gi | 67811048 | gb | AAY82074.1 |
                                                                                5.2
                                                                                5.2
                             polyprotein [Hepatitis C virus]
                                                                       31.2
gi|67811046|gb|AAY82073.1|
                                                                                5.2
gi|67811044|gb|AAY82072.1|
                             polyprotein [Hepatitis C virus]
                                                                       31.2
                             polyprotein [Hepatitis C virus]
                                                                                5.2
gi|67811042|qb|AAY82071.1|
                                                                       <u>31.2</u>
                             polyprotein [Hepatitis C virus]
                                                                                5.2
qi|67811040|qb|AAY82070.1|
                                                                       <u>31.2</u>
                             polyprotein [Hepatitis C virus]
                                                                                5.2
gi | 67811038 | gb | AAY82069.1 |
                                                                       <u>31.2</u>
```

~; [67911025]~b 77792060 11	nolementain	[Hepatitis C virus]	31.2	5.2
gi 67811036 gb AAY82068.1				
gi 67811034 gb AAY82067.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811032 gb AAY82066.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811026 gb AAY82063.1	polvprotein	[Hepatitis C virus]	31.2	5.2
gi 67811024 gb AAY82062.1		[Hepatitis C virus]	31.2	5.2
gi 67811022 gb AAY82061.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811020 gb AAY82060.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811018 gb AAY82059.1	polvprotein	[Hepatitis C virus]	31.2	5.2
		[Hepatitis C virus]	31.2	5.2
gi 67811016 gb AAY82058.1				
gi 67811014 gb AAY82057.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811012 gb AAY82056.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811010 gb AAY82055.1		[Hepatitis C virus]	31.2	5.2
gi 67811008 gb AAY82054.1		[Hepatitis C virus]	31.2	5.2
				
gi 67811006 gb AAY82053.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67811004 gb AAY82052.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67811002 gb AAY82051.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67811000 gb AAY82050.1		[Hepatitis C virus]	31.2	5.2
gi 67810998 gb AAY82049.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810996 gb AAY82048.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810994 gb AAY82047.1	polvprotein	[Hepatitis C virus]	31.2	5.2
gi 67810992 gb AAY82046.1		[Hepatitis C virus]	31.2	5.2
· ·				
gi 67810990 gb AAY82045.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810988 gb AAY82044.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810986 gb AAY82043.1	polvprotein	[Hepatitis C virus]	31.2	5.2
gi 67810984 gb AAY82042.1		[Hepatitis C virus]	31.2	5.2
gi 67810982 gb AAY82041.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810980 gb AAY82040.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810978 gb AAY82039.1		[Hepatitis C virus]	31.2	5.2
		[Hepatitis C virus]		5.2
gi 67810976 gb AAY82038.1		-	31.2	
gi 67810974 gb AAY82037.1		[Hepatitis C virus]	31.2	5.2
gi 67810972 gb AAY82036.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810898 gb AAY82035.1	polvprotein	[Hepatitis C virus]	31.2	5.2
gi 67810896 gb AAY82034.1		[Hepatitis C virus]	31.2	5.2
gi 67810894 gb AAY82033.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810892 gb AAY82032.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810890 gb AAY82031.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810887 gb AAY82030.1		[Hepatitis C virus]	31.2	5.2
		=		
gi 67810885 gb AAY82029.1		[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810883 gb AAY82028.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810881 gb AAY82027.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810879 gb AAY82026.1		[Hepatitis C virus]	31.2	5.2
				5.2
gi 67810877 gb AAY82025.1		[Hepatitis C virus]	<u>31.2</u>	
gi 67810875 gb AAY82024.1		[Hepatitis C virus] >g		5.2
gi 67810870 gb AAY82022.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810868 gb AAY82021.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810866 gb AAY82020.1		[Hepatitis C virus]	31.2	5.2
		=		
gi 67810864 gb AAY82019.1	- /	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810861 gb AAY82018.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810859 gb AAY82017.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810857 gb AAY82016.1		[Hepatitis C virus]	31.2	5.2
gi 67810855 gb AAY82015.1		[Hepatitis C virus]	31.2	5.2
gi 67810853 gb AAY82014.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810851 gb AAY82013.1	polyprotein	[Hepatitis C virus]	31.2	5.2
gi 67810849 gb AAY82012.1		[Hepatitis C virus]	31.2	5.2
gi 67810846 gb AAY82011.1		[Hepatitis C virus]	31.2	5.2
gi 67810844 gb AAY82010.1		[Hepatitis C virus]	31.2	5.2
<u>gi 67810842 gb AAY82009.1 </u>	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 67810840 gb AAY82008.1		[Hepatitis C virus]	31.2	5.2
gi 67810838 gb AAY82007.1		[Hepatitis C virus]	31.2	5.2
gi 67810836 gb AAY82006.1		[Hepatitis C virus]	31.2	5.2
gi 67810834 gb AAY82005.1	polyprotein	[Hepatitis C virus]	<u>31.2</u>	5.2
gi 56124356 gb AAV75978.1		[Hepatitis C virus]	31.2	5.2
gi 56124352 gb AAV75976.1		[Hepatitis C virus]	$\frac{31.2}{31.2}$	5.2
gi 56124350 gb AAV75975.1		[Hepatitis C virus]	31.2	5.2
gi 56124348 qb AAV75974.1		[Hepatitis C virus] >		5.2
gi 56124344 gb AAV75972.1	core protein	[Hepatitis C virus]	31.2	5.2
gi 56124330 gb AAV75965.1		[Hepatitis C virus]	31.2	5.2
	F- = 0.00±11			

			_					
gi 56124322 gb AAV75961.1	core protein	[Hepatitis	C	virusj		<u>31.2</u>	5.2	
gi 56124320 gb AAV75960.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124318 gb AAV75959.1	core protein					31.2	5.2	
gi 56124316 gb AAV75958.1	core protein	[Hepatitis	C	virusj		31.2	5.2	
gi 56124314 gb AAV75957.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124310 gb AAV75955.1	core protein	-				31.2	5.2	
	-	-						
gi 56124308 gb AAV75954.1	core protein	_				<u>31.2</u>	5.2	
gi 56124306 gb AAV75953.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124304 gb AAV75952.1	core protein	-				31.2	5.2	
	-	-						
gi 56124302 gb AAV75951.1	core protein	-				31.2	5.2	
gi 56124300 gb AAV75950.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124298 gb AAV75949.1	core protein	[Hepatitis	С	virusl	>	31.2	5.2	
	=						5.2	
gi 56124292 gb AAV75946.1	core protein	=				<u>31.2</u>		
qi 56124290 qb AAV75945.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124288 gb AAV75944.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124286 gb AAV75943.1	core protein	-				31.2	5.2	
	-	=						
gi 56124284 gb AAV75942.1	core protein	_				<u>31.2</u>	5.2	
gi 56124278 gb AAV75939.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124276 gb AAV75938.1	core protein					31.2	5.2	
	-	•		_				
gi 56124274 gb AAV75937.1	core protein	-				31.2	5.2	
gi 56124272 gb AAV75936.1	core protein	[Hepatitis	C	virus]		<u>31.2</u>	5.2	
gi 56124270 gb AAV75935.1	core protein	[Hepatitis	С	virusl		31.2	5.2	
	core protein					31.2	5.2	
gi 56124268 gb AAV75934.1	-	=						
gi 56124264 gb AAV75932.1	core protein	[Hepatitis	C	virus]		<u>31.2</u>	5.2	
qi 56124262 qb AAV75931.1	core protein	[Hepatitis	С	virusl		31.2	5.2	
	core protein	-				31.2	5.2	
gi 56124260 gb AAV75930.1	-	_						
gi 56124256 gb AAV75928.1	core protein	[Hepatitis	С	virus		<u>31.2</u>	5.2	
gi 56124254 gb AAV75927.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124252 gb AAV75926.1	core protein	_				31.2	5.2	
gi 56124248 gb AAV75924.1	core protein	[Hepatitis	С	virus		31.2	5.2	
gi 56124246 gb AAV75923.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124244 gb AAV75922.1	core protein	[Hepatitis	C.	virusl		31.2	5.2	
	-	_					5.2	
gi 56124242 gb AAV75921.1	core protein					<u>31.2</u>		
gi 56124240 gb AAV75920.1	core protein	[Hepatitis	С	virus]	>	<u>31.2</u>	5.2	
gi 56124238 gb AAV75919.1	core protein	(Hepatitis	С	virusl		31.2	5.2	
gi 56124234 gb AAV75917.1	core protein	_				31.2	5.2	
	-	•						
gi 56124230 gb AAV75915.1	core protein	[Hepatitis	С	virus		<u>31.2</u>	5.2	
gi 56124228 gb AAV75914.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124224 gb AAV75912.1	core protein	-				31.2	5.2	
	•			-				
gi 56124218 gb AAV75909.1	core protein					31.2	5.2	
gi 56124214 gb AAV75907.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124212 gb AAV75906.1	core protein	[Hepatitis	C	virusl		31.2	5.2	
	_	_						
gi 56124210 gb AAV75905.1	core protein	-				31.2	5.2	
gi 56124208 gb AAV75904.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124206 gb AAV75903.1	core protein	[Hepatitis	С	virusl	>	31.2	5.2	
gi 56124204 gb AAV75902.1	core protein	_				31.2	5.2	
	_	_						
gi 56124196 gb AAV75898.1	core protein					<u>31.2</u>	5.2	
gi 56124190 gb AAV75895.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124188 gb AAV75894.1	core protein	-				31.2	5.2	
	core protein					31.2	5.2	
gi 56124186 gb AAV75893.1								
gi 56124182 gb AAV75891.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124178 qb AAV75889.1	core protein	[Hepatitis	С	virusl		31.2	5.2	
	core protein	_						
gi 56124172 gb AAV75886.1	_	-		-	<i>/</i>	<u>31.2</u>	5.2	
gi 56124146 gb AAV75873.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124144 gb AAV75872.1	core protein	[Hepatitis	С	virus]		31.2	5.2	•
gi 56124142 gb AAV75871.1	core protein					31.2	5.2	
	-	_						
qi 56124138 gb AAV75869.1	core protein	_				<u>31.2</u>	5.2	
gi 56124120 qb AAV75860.1	core protein	[Hepatitis	С	virus]		<u>31.2</u>	5.2	
gi 56124118 gb AAV75859.1	core protein	(Hepatitis	С	virusl		31.2	5.2	
	core protein	-					5.2	
gi 56124116 gb AAV75858.1	_	_				31.2		
gi 56124114 gb AAV75857.1	core protein	-				<u>31.2</u>	5.2	
gi 56124112 gb AAV75856.1	core protein	[Hepatitis	С	virusl	>	31.2	5.2	
gi 56124110 gb AAV75855.1	core protein	_				31.2	5.2	
	_	_						
gi 56124108 gb AAV75854.1	core protein					<u>31.2</u>	5.2	
gi 56124104 gb AAV75852.1	core protein	[Hepatitis	С	virus]		31.2	5.2	
gi 56124102 gb AAV75851.1	core protein	[Hepatitis	С	virusl		31.2	5.2	
qi 56124100 gb AAV75850.1	core protein					31.2	5.2	
91100121100 90 AAV 10000.1	core brocern	(11CPGCTCTS	J	· u.o]		<u> </u>	٧.٤	

qi 56124098 qb AAV75849.1 core protein [Hepatitis C virus]	31.2	5.2
		5.2
<pre>gi 56124096 gb AAV75848.1 core protein [Hepatitis C virus]</pre>	31.2	
<pre>gi 56124092 gb AAV75846.1 core protein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
<pre>gi 56124088 gb AAV75844.1 core protein [Hepatitis C virus]</pre>	31.2	5.2
qi 56124086 qb AAV75843.1 core protein [Hepatitis C virus]	31.2	5.2
<pre>gi 67773303 gb AAY81920.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
qi 7650266 qb AAF65964.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7650264 gb AAF65963.1 polyprotein [Hepatitis C virus]	31.2	5.2
		5.2
<pre>qi 7650262 qb AAF65962.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	
<pre>gi 7650260 gb AAF65961.1 polyprotein [Hepatitis C virus]</pre>	31.2	5.2
qi 7650258 qb AAF65960.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7650256 gb AAF65959.1 polyprotein [Hepatitis C virus]	31.2	5.2
<pre>gi 7650254 gb AAF65958.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
<pre>qi 7650252 qb AAF65957.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
gi 7650250 gb AAF65956.1 polyprotein [Hepatitis C virus]	31.2	5.2
	31.2	5.2
<pre>gi 7650248 gb AAF65955.1 polyprotein [Hepatitis C virus]</pre>		
<pre>gi 7650246 gb AAF65954.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
gi 7650244 gb AAF65953.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7650242 gb AAF65952.1 polyprotein [Hepatitis C virus]	31.2	5.2
		
<pre>gi 7650240 gb AAF65951.1 polyprotein [Hepatitis C virus]</pre>	31.2	5.2
gi 7650238 gb AAF65950.1 polyprotein [Hepatitis C virus]	<u>31.2</u>	5.2
gi 7650236 gb AAF65949.1 polyprotein [Hepatitis C virus]	31.2	5.2
	31.2	5.2
		
<pre>gi 7650232 gb AAF65947.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
<pre>gi 7650230 qb AAF65946.1 polyprotein [Hepatitis C virus]</pre>	31.2	5.2
gi 7650228 gb AAF65945.1 polyprotein [Hepatitis C virus]	31.2	5.2
	31.2	5.2
<pre>gi 7650226 gb AAF65944.1 polyprotein [Hepatitis C virus]</pre>		
<pre>gi 7650224 gb AAF65943.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
gi 7650222 gb AAF65942.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 3043939 gb AAC13272.1 polyprotein [Hepatitis C virus type 4]	31.2	5.2
		5.2
	31.2	
<pre>gi 18027685 gb AAL55821.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
gi 7417026 gb AAF62413.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7417024 gb AAF62412.1 polyprotein [Hepatitis C virus]	31.2	5.2
	$\frac{31.2}{31.2}$	5.2
<pre>gi 46560636 gb AAT00644.1 polyprotein [Hepatitis C virus]</pre>	<u>31.2</u>	5.2
qi 46560634 qb AAT00643.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7341103 gb AAF61205.1 polyprotein [Hepatitis C virus]	31.2	5.2
		5.2
<pre>gi 7329209 gb AAF59944.1 polyprotein [Hepatitis C virus]</pre>	$\frac{31.2}{11.2}$	
gi 7329207 gb AAF59943.1 polyprotein [Hepatitis C virus]	31.2	5.2
gi 7329205 gb AAF59942.1 polyprotein [Hepatitis C virus]	31.2	5.2
	31.2	5.2
gil7329203 gh AAF59941 1 polyprotein [Hepatitis C virus]		5.2
gi 7329203 gb AAF59941.1 polyprotein [Hepatitis C virus]		3.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >	<u>31.2</u>	
	31.2	5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >		5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus] gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus]</pre>	$\frac{31.2}{31.2}$	5.2
<pre>gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus] gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus] gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]</pre>	$\frac{31.2}{31.2}$ $\frac{31.2}{31.2}$	5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus] gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus] gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus] gi 1669646 dbj BAA05981.1 core protein [Hepatitis C virus]</pre>	$\frac{31.2}{31.2}$ $\frac{31.2}{31.2}$	5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 </pre> core protein [Hepatitis C virus]	$\frac{31.2}{31.2}$ $\frac{31.2}{31.2}$	5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 </pre> core protein [Hepatitis C virus]	$\frac{31.2}{31.2}$ $\frac{31.2}{31.2}$	5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1669646 dbj BAA05981.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA14035.1 unnamed protein product [Hepatitis C virus]gi 27544244 dbj BAC54896.1 polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ \hline 31.2 \end{array} $	5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA14035.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 unnamed protein product [Hepatitis C virus]gi 48479030 qb AAT44836.1 polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 31.2 \\ 31.2 \\ \hline 31.2 \\ 31.2 \\ \hline 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 48479030 qb AAT44836.1 gi 221653 dbj BAA02670.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \\ 31.2 \end{array} $	5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA14035.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 unnamed protein product [Hepatitis C virus]gi 48479030 qb AAT44836.1 polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 31.2 \\ 31.2 \\ \hline 31.2 \\ 31.2 \\ \hline 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] >gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA14035.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 unnamed protein product [Hepatitis C virus]gi 28479030 gb AAT44836.1 polyprotein [Hepatitis C virus]gi 221653 dbj BAA02670.1 polyprotein [Hepatitis C virus]gi 4433096 dbj BAA21054.1 polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 281653 dbj BAA02670.1 gi 2433096 dbj BAA21052.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] unnamed protein product [Hepatitis C virus] polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus] gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus] gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus] gi 1669646 dbj BAA05981.1 core protein [Hepatitis C virus] gi 1749762 dbj BAA14035.1 unnamed protein product [Hepatitis C virus] gi 27544244 dbj BAC54896.1 polyprotein [Hepatitis C virus] gi 28433096 dbj BAA02670.1 polyprotein [Hepatitis C virus] gi 4433094 dbj BAA21052.1 unnamed protein product [Hepatitis C virus] gi 296898 emb CAA50610.1 nucleocapsid protein [synthetic constr	$ \begin{array}{r} 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 284379030 qb AAT44836.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707284 qb AAF25612.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 28479030 qb AAT44836.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707282 qb AAF25611.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 284379030 qb AAT44836.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707284 qb AAF25612.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	$ \begin{array}{r} 31.2 \\ 3$	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05982.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 28479030 gb AAT44836.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707282 gb AAF25612.1 gi 6707280 gb AAF25610.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669648 dbj BAA05982.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 284879030 gb AAT44836.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707282 gb AAF25612.1 gi 6707280 gb AAF25610.1 gi 5918967 gb AAD56199.1 </pre> core protein [Hepatitis C virus] core prot	$\begin{array}{r} 31.2 \\ \hline 31.2 \\ \hline 31.2 \\ \hline 31.2 \\ \hline \hline 31.2 \\ \hline \hline 31.2 \\ \hline \hline \hline 31.2 \\ \hline \hline \hline \hline 31.2 \\ \hline $	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 281653 dbj BAA02670.1 gi 296898 emb CAA50610.1 gi 6707284 gb AAF25612.1 gi 6707282 gb AAF25611.1 gi 6707280 gb AAF25610.1 gi 5918965 gb AAD56198.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAA05981.1 gi 28479030 qb AAT44836.1 gi 291653 dbj BAA02670.1 gi 4433096 dbj BAA21054.1 gi 493094 dbj BAA21052.1 gi 493094 dbj BAA21052.1 gi 6707284 qb AAF25610.1 gi 6707280 qb AAF25610.1 gi 5918965 qb AAD56199.1 gi 5918965 qb AAD56198.1 gi 5918963 qb AAD56197.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis	$\begin{array}{r} 31.2 \\ \hline 31.2 \\ \hline 31.2 \\ \hline 31.2 \\ \hline \hline 31.2 \\ \hline \hline 31.2 \\ \hline \hline \hline 31.2 \\ \hline \hline \hline \hline 31.2 \\ \hline $	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 281653 dbj BAA02670.1 gi 296898 emb CAA50610.1 gi 6707284 gb AAF25612.1 gi 6707282 gb AAF25611.1 gi 6707280 gb AAF25610.1 gi 5918965 gb AAD56198.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
<pre>gi 1669641 dbj BAA05990.1 gi 1669630 dbj BAA05985.1 gi 1669626 dbj BAA05983.1 gi 1669648 dbj BAA05982.1 gi 1669646 dbj BAA05981.1 gi 1749762 dbj BAA14035.1 gi 27544244 dbj BAC54896.1 gi 27544244 dbj BAC54896.1 gi 281653 dbj BAA02670.1 gi 296898 emb CAA50610.1 gi 296898 emb CAA50610.1 gi 6707282 gb AAF25612.1 gi 6707282 gb AAF25610.1 gi 5918965 gb AAD56199.1 gi 5918963 qb AAD56197.1 gi 5918961 qb AAD56196.1 </pre> core protein [Hepatitis C virus] core protein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus] gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus] gi 1669626 dbj BAA05983.1 core protein [Hepatitis C virus] gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus] gi 1669646 dbj BAA05981.1 core protein [Hepatitis C virus] gi 1749762 dbj BAA14035.1 unnamed protein product [Hepatitis C virus] gi 27544244 dbj BAC54896.1 polyprotein [Hepatitis C virus] gi 48479030 db AAT44836.1 polyprotein [Hepatitis C virus] gi 4433094 dbj BAA21054.1 polyprotein [Hepatitis C virus] gi 6707284 db AAF25612.1 polyprotein [Hepatitis C virus] gi 6707282 db AAF25611.1 polyprotein [Hepatitis C virus] gi 5918965 db AAD56199.1 polyprotein [Hepatitis C virus] gi 5918963 db AAD56196.1 polyprotein [Hepatitis C virus] gi 5918961 db AAD56195.1 polyprotein [Hepatitis C virus] gi 5918959 db AAD56195.1 polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 db BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 db BAA05985.1 core protein [Hepatitis C virus] gi 1669626 db BAA05983.1 core protein [Hepatitis C virus] gi 1669648 db BAA05982.1 core protein [Hepatitis C virus] gi 1669646 db BAA05981.1 core protein [Hepatitis C virus] gi 1749762 db BAA05981.1 core protein [Hepatitis C virus] gi 27544244 db BAC54896.1 polyprotein [Hepatitis C virus] gi 221653 db BAA02670.1 polyprotein [Hepatitis C virus] gi 4433096 db BAA21054.1 polyprotein [Hepatitis C virus] gi 296898 emb CAA50610.1 qi 6707284 qb AAF25612.1 polyprotein [Hepatitis C virus] gi 6707280 qb AAF25610.1 polyprotein [Hepatitis C virus] gi 5918967 qb AAD56199.1 polyprotein [Hepatitis C virus] gi 5918961 qb AAD56196.1 polyprotein [Hepatitis C virus] gi 5918959 qb AAD56195.1 polyprotein [Hepatitis C virus] gi 5918957 qb AAD56194.1 polyprotein [Hepatitis C virus] gi 5918957 qb AAD56194.1 polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] pol	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus]gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05981.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA014035.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 gi 221653 dbj BAA02670.1 polyprotein [Hepatitis C virus]gi 221653 dbj BAA02670.1 gi 4433096 dbj BAA020570.1 polyprotein [Hepatitis C virus]gi 296898 emb CAA50610.1 gi 6707284 qb AAF25612.1 polyprotein [Hepatitis C virus]gi 69707280 qb AAF25610.1 gi 69707280 qb AAF25610.1 polyprotein [Hepatitis C virus]gi 5918965 qb AAD56198.1 gi 5918961 qb AAD56196.1 polyprotein [Hepatitis C virus]gi 5918957 qb AAD56194.1 qi 5918957 qb AAD56194.1 qolyprotein [Hepatitis C virus]gi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]gi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 db BAA05990.1 core protein [Hepatitis C virus] > gi 1669630 db BAA05985.1 core protein [Hepatitis C virus] gi 1669626 db BAA05983.1 core protein [Hepatitis C virus] gi 1669648 db BAA05982.1 core protein [Hepatitis C virus] gi 1669646 db BAA05981.1 core protein [Hepatitis C virus] gi 1749762 db BAA05981.1 core protein [Hepatitis C virus] gi 27544244 db BAC54896.1 polyprotein [Hepatitis C virus] gi 221653 db BAA02670.1 polyprotein [Hepatitis C virus] gi 4433096 db BAA21054.1 polyprotein [Hepatitis C virus] gi 296898 emb CAA50610.1 qi 6707284 qb AAF25612.1 polyprotein [Hepatitis C virus] gi 6707280 qb AAF25610.1 polyprotein [Hepatitis C virus] gi 5918967 qb AAD56199.1 polyprotein [Hepatitis C virus] gi 5918961 qb AAD56196.1 polyprotein [Hepatitis C virus] gi 5918959 qb AAD56195.1 polyprotein [Hepatitis C virus] gi 5918957 qb AAD56194.1 polyprotein [Hepatitis C virus] gi 5918957 qb AAD56194.1 polyprotein [Hepatitis C virus] polyprotein [Hepatitis C virus] pol	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus]gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA05981.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 polyprotein [Hepatitis C virus]gi 28678 dbj BAA02670.1 polyprotein [Hepatitis C virus]gi 24653 dbj BAA21052.1 polyprotein [Hepatitis C virus]gi 4433094 dbj BAA21052.1 polyprotein [Hepatitis C virus]gi 296898 emb CAA50610.1 polyprotein [Hepatitis C virus]gi 6707284 qb AAF25612.1 polyprotein [Hepatitis C virus]gi 6707280 qb AAF25610.1 polyprotein [Hepatitis C virus]gi 5918965 qb AAD56193.1 polyprotein [Hepatitis C virus]gi 5918959 qb AAD56195.1 polyprotein [Hepatitis C virus]gi 5918955 qb AAD56193.1 polyprotein [Hepatitis C virus]gi 5918953 qb AAD56192.1 polyprotein [Hepatitis C virus]	31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2
gi 1669641 dbj BAA05990.1 core protein [Hepatitis C virus]gi 1669630 dbj BAA05985.1 core protein [Hepatitis C virus]gi 1669626 dbj BAA05982.1 core protein [Hepatitis C virus]gi 1669648 dbj BAA05981.1 core protein [Hepatitis C virus]gi 1749762 dbj BAA014035.1 core protein [Hepatitis C virus]gi 27544244 dbj BAC54896.1 gi 221653 dbj BAA02670.1 polyprotein [Hepatitis C virus]gi 221653 dbj BAA02670.1 gi 4433096 dbj BAA020570.1 polyprotein [Hepatitis C virus]gi 296898 emb CAA50610.1 gi 6707284 qb AAF25612.1 polyprotein [Hepatitis C virus]gi 69707280 qb AAF25610.1 gi 69707280 qb AAF25610.1 polyprotein [Hepatitis C virus]gi 5918965 qb AAD56198.1 gi 5918961 qb AAD56196.1 polyprotein [Hepatitis C virus]gi 5918957 qb AAD56194.1 qi 5918957 qb AAD56194.1 qolyprotein [Hepatitis C virus]gi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]gi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]qi 5918955 qb AAD56193.1 qolyprotein [Hepatitis C virus]	31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2 31.2	5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2

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polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|5918947|qb|AAD56189.1|
                                                                      31.2
                                                                              5.2
                            polyprotein [Hepatitis C virus]
gi|5918945|qb|AAD56188.1|
gi|5918943|gb|AAD56187.1|
                                                                      31.2
                                                                              5.2
                            polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|5918941|qb|AAD56186.1|
                            polyprotein [Hepatitis C virus]
                                                                              5.2
                            polyprotein [Hepatitis C virus]
                                                                      31.2
gi|5918939|qb|AAD56185.1|
gi|5918937|qb|AAD56184.1|
                            polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
                                                                      31.2
gi|5918935|gb|AAD56183.1|
                            polyprotein [Hepatitis C virus]
                                                                              5.2
                                                                      31.2
                                                                              5.2
gi|5918933|gb|AAD56182.1|
                            polyprotein [Hepatitis C virus]
gi|5918931|qb|AAD56181.1|
                            polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
                            polyprotein [Hepatitis C virus]
gi|5918929|gb|AAD56180.1|
                                                                      31.2
                                                                              5.2
                              poly protein [Hepatitis C virus type
                                                                              5.2
gi|27531310|dbj|BAC54267.1|
                                                                      31.2
                              poly protein [Hepatitis C virus type
gi | 27531302 | dbj | BAC54263.1 |
                                                                      31.2
                                                                              5.2
gi|27531300|dbj|BAC54262.1|
                              poly protein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                                                                      31.2
qi|6010580|qb|AAF01178.1|
                            polyprotein [Hepatitis C virus]
                                                                              5.2
                            polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|9930557|gb|AAG02099.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi | 21670943 | dbj | BAC02481.1 |
gi | 21670941 | dbj | BAC02480.1 |
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                              polyprotein [Hepatitis C virus ty...
                                                                      31.2
                                                                              5.2
gi|21670939|dbj|BAC02479.1|
                              polyprotein [Hepatitis C virus type
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                                                                              5.2
gi|21670937|dbj|BAC02478.1|
gi|21670935|dbj|BAC02477.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                                                                      31.2
                                                                              5.2
gi|21670933|dbj|BAC02476.1|
                              polyprotein [Hepatitis C virus type
gi|21670931|dbj|BAC02475.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                                                                      31.2
                              polyprotein [Hepatitis C virus type
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                                                                              5.2
                              polyprotein [Hepatitis C virus type
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gi|21670925|dbj|BAC02472.1|
                                                                              5.2
gi|21670923|dbj|BAC02471.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                              polyprotein [Hepatitis C virus ty...
                                                                      31.2
gi | 21670921 | dbj | BAC02470.1 |
                                                                              5.2
                                                                      31.2
                                                                              5.2
gi|21670917|dbj|BAC02468,1|
                              polyprotein [Hepatitis C virus type
                                                                              5.2
                              polyprotein [Hepatitis C virus type
                                                                      <u>31.2</u>
gi|21670911|dbj|BAC02465.1|
                              polyprotein [Hepatitis C virus type
gi|21670909|dbj|BAC02464.1|
                                                                      31.2
                                                                              5.2
gi|21670905|dbj|BAC02462.1|
                              polyprotein [Hepatitis C virus type
                                                                              5.2
                                                                      31.2
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi | 21670901 | dbj | BAC02460.1 |
                                                                      31.2
gi|21670899|dbj|BAC02459.1|
                              polyprotein [Hepatitis C virus ty...
                                                                              5.2
                                                                      31.2
gi|21670897|dbj|BAC02458.1|
                              polyprotein [Hepatitis C virus type
                                                                              5.2
                                                                      31.2
gi|21670895|dbj|BAC02457.1|
                              polyprotein [Hepatitis C virus type
                                                                              5.2
gi|21670893|dbj|BAC02456.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi | 21670891 | dbj | BAC02455.1 |
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
                              polyprotein [Hepatitis C virus type
                                                                      31.2
gi|21670887|dbj|BAC02453.1|
                                                                              5.2
gi|21670883|dbj|BAC02451.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670881|dbj|BAC02450.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670879|dbj|BAC02449.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670877|dbj|BAC02448.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670875|dbj|BAC02447.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670873|dbj|BAC02446.1|
                              polyprotein [Hepatitis C virus type
                                                                      <u>31.2</u>
                                                                              5.2
gi|21670871|dbj|BAC02445.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670867|dbj|BAC02443.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670865|dbj|BAC02442.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670863|dbj|BAC02441.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670859|dbj|BAC02439.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670857|dbj|BAC02438.1|
                              polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
gi|21670855|dbj|BAC02437.1|
                             polyprotein [Hepatitis C virus type
                                                                      31.2
                                                                              5.2
<u>gi|773370|gb|AAA65051.1|</u> core protein
                                                                      31.2
                                                                              5.2
gi|400812|sp|Q01403|POLG HCVHK Genome polyprotein [Contains: ...
                                                                      31.2
                                                                              5.2
                                                                      31.2
gi|55275810|qb|AAV49743.1|
                            polyprotein [Hepatitis C virus]
                                                                              5.2
gi|55275808|gb|AAV49742.1|
                           polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
                                                                      31.2
gi|58429140|gb|AAW78019.1| polyprotein [Hepatitis C virus]
                                                                              5.2
gi|400811|sp|Q01404|POLG HCVH4 Genome polyprotein [Contains: ...
                                                                      31.2
                                                                              5.2
gi|130467|sp|P27961|POLG HCVJ7
                                Genome polyprotein [Contains: ...
                                                                      31.2
                                                                              5.2
qi|130465|sp|P27960|POLG HCVJ5
                                 Genome polyprotein [Contains: ...
                                                                      31.2
                                                                              5.2
gi|130464|sp|P27959|POLG HCVJ2
                                 Genome polyprotein.2 [Contains...
                                                                      31.2
                                                                              5.2
gi|130468|sp|P26661|POLG HCVJ8
                                 Genome polyprotein [Contains: ...
                                                                      31.2
                                                                              5.2
gi|14532251|gb|AAK66557.1|
                             HCV type 1a/1b chimera mutant polypro
                                                                              5.2
                                                                     31.2
gi|14532249|gb|AAK66556.1| HCV type la/lb chimera polyprotein...
                                                                      31.2
                                                                              5.2
                                                                      31.2
gi|5738247|gb|AAD50312.1| polyprotein precursor [Hepatitis C vir
                                                                              5.2
qi|8926245|qb|AAF81759.1| polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|14161283|gb|AAK54689.1| polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|14161281|qb|AAK54688.1| polyprotein [Hepatitis C virus]
                                                                      31.2
                                                                              5.2
gi|1066570|gb|AAC42169.1| core protein
                                                                              5.2
                                                                      <u>31.2</u>
```

```
gi|540827|pir||S41353 genome polyprotein - hepatitis C virus ...
                                                                             5.2
                                                                    31.2
                                                                             5.2
                                                                    31.2
gi|3098633|gb|AAC15722.1| polyprotein [Hepatitis C virus]
gi|2327071|gb|AAB67036.1| polyprotein [Hepatitis C virus strain
                                                                    31.2
                                                                             5.2
                                                                    31.2
                                                                             5.2
qi|56342243|dbj|BAD73999.1| polyprotein [Hepatitis C virus type
                                                                             5.2
gi|56342241|dbj|BAD73998.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                             polyprotein [Hepatitis C virus type
                                                                    31.2
gi|56342239|dbj|BAD73997.1|
                                                                             5.2
                            polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342237|dbj|BAD73996.1|
gi|56342235|dbj|BAD73995.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342233|dbj|BAD73994.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
                             polyprotein [Hepatitis C virus type
gi|56342231|dbj|BAD73993.1|
                                                                    31.2
                                                                             5.2
gi|56342229|dbj|BAD73992.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342227|dbj|BAD73991.1|
                             polyprotein [Hepatitis C virus type
                                                                     31.2
                                                                             5.2
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342225|dbj|BAD73990.1|
                             polyprotein (Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342223|dbj|BAD73989.1|
gi|56342221|dbj|BAD73988.1|
                                                                             5.2
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                             polyprotein [Hepatitis C virus type
                                                                             5.2
gi | 56342219 | dbj | BAD73987.1 |
                                                                    31.2
                                                                    31.2
                                                                             5.2
                             polyprotein [Hepatitis C virus type
gi | 56342217 | dbj | BAD73986.1 |
gi|56342215|dbj|BAD73985.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342213|dbj|BAD73984.1|
                             polyprotein [Hepatitis C virus type
                                                                     31.2
                                                                             5.2
                                                                    31.2
                                                                             5.2
gi|56342211|dbj|BAD73983.1|
                             polyprotein [Hepatitis C virus type
                                                                             5.2
                             polyprotein [Hepatitis C virus type
                                                                    31.2
qi|56342209|dbj|BAD73982.1|
gi|56342207|dbj|BAD73981.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342205|dbj|BAD73980.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
                             polyprotein [Hepatitis C virus type
                                                                             5.2
                                                                    31.2
gi|56342203|dbj|BAD73979.1|
                             polyprotein [Hepatitis C virus type
                                                                     31.2
                                                                             5.2
gi|56342201|dbj|BAD73978.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342199|dbj|BAD73977.1]
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342197|dbj|BAD73976.1|
                             polyprotein [Hepatitis C virus type
gi|56342195|dbj|BAD73975.1|
                                                                    31.2
                                                                             5.2
gi|56342191|dbj|BAD73973.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
gi|56342189|dbj|BAD73972.1|
gi|56342187|dbj|BAD73971.1|
                             polyprotein [Hepatitis C virus type
                                                                    <u>31.2</u>
                                                                             5.2
gi|56342185|dbj|BAD73970.1|
                             polyprotein [Hepatitis C virus type
                                                                    31.2
                                                                             5.2
                                                                    31.2
                                                                             5.2
gi|11559469|dbj|BAB18814.1|
                             polyprotein [Hepatitis C virus]
gi|11559467|dbj|BAB18813.1|
                             polyprotein [Hepatitis C virus]
                                                                    31.2
                                                                             5.2
gi|11559465|dbj|BAB18812.1|
                             polyprotein [Hepatitis C virus]
                                                                    31.2
                                                                             5.2
gi|11559463|dbj|BAB18811.1|
                             polyprotein [Hepatitis C virus]
                                                                    31.2
                                                                             5.2
                                                                    31.2
                             polyprotein [Hepatitis C virus]
gi|11559459|dbj|BAB18809.1|
                                                                             5.2
gi|11559457|dbj|BAB18808.1|
                             polyprotein [Hepatitis C virus]
                                                                    31.2
                                                                             5.2
gi|11559455|dbj|BAB18807.1| polyprotein [Hepatitis C virus]
                                                                    31.2
                                                                             5.2
gi|11559453|dbj|BAB18806.1| polyprotein [Hepatitis C virus]
                                                                             5.2
                                                                    31.2
```

Alignments

```
Get selected sequences
                               Select all
                                           Deselect all
> I gi|30090044|gb|AAP21074.1| capsid protein [Hepatitis C virus]
          Length=158
 Score = 33.5 \text{ bits } (75), Expect = 1.0
 Identities = 14/14 (100%), Positives = 14/14 (100%), Gaps = 0/14 (0%)
Query
       1
           TKRNTNRRPTDVKF
Sbjct 10
           . . . . . . . . . . . . . . . .
> gi|1066588|gb|AAC42178.1| core protein
          Length=319
 Score = 33.5 \text{ bits } (75), Expect = 1.0
 Identities = 14/14 (100%), Positives = 14/14 (100%), Gaps = 0/14 (0%)
Query 1
           TKRNTNRRPTDVKF
Sbjct 11 .....
```

```
> [] gi | 532381 | gb | AAA21037.1 | polyprotein
         Length=191
 Score = 33.5 \text{ bits } (75), Expect = 1.0
 Identities = 14/14 (100%), Positives = 14/14 (100%), Gaps = 0/14 (0%)
Query 1
          TKRNTNRRPTDVKF 14
Sbjct 11 ..... 24
>  gi|625598|pir||PQ0805 core protein - hepatitis C virus (fragment)
         Length=75
 Score = 31.6 \text{ bits } (70), Expect = 4.0
 Identities = 13/13 (100%), Positives = 13/13 (100%), Gaps = 0/13 (0%)
Query 2
          KRNTNRRPTDVKF 14
Sbjct 1 ..... 13
> I gi|266821|sp|P29846|POLG HCVTW Genome polyprotein [Contains: Core protein p19 (Capsid
           C) (p21); Envelope glycoprotein E1 (gp32) (gp35); Envelope
           glycoprotein E2 (NS1) (gp68) (gp70); p7; Protease NS2-3 (p23);
           Serine protease/NTPase/helicase NS3 (3.6.1.15) (Hepacivirin)
           (NS3P) (p70); Nonstructural protein 4A (NS4A) (p8); Nonstructural
           protein 4B (NS4B) (p27); Nonstructural protein 5A
           (NS5A) (p56); RNA-directed RNA polymerase (NS5B) (p68)]
         Length=3010
 Score = 31.2 \text{ bits } (69), Expect = 5.2
 Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [gi|221611|dbj|BAA14233.1| unnamed protein product [Hepatitis C virus]
 qi|130469|sp|P26662|POLG HCVJA Genome polyprotein [Contains: Core protein p19 (Capsid pr
           C) (p21); Envelope glycoprotein E1 (gp32) (gp35); Envelope
           glycoprotein E2 (NS1) (gp68) (gp70); p7; Protease NS2-3 (p23);
           Serine protease/NTPase/helicase NS3 (3.6.1.15) (Hepacivirin)
           (NS3P) (p70); Nonstructural protein 4A (NS4A) (p8); Nonstructural
           protein 4B (NS4B) (p27); Nonstructural protein 5A
           (NS5A) (p56); RNA-directed RNA polymerase (NS5B) (p68)]
         Length=3010
 Score = 31.2 bits (69), Expect = 5.2
 Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [ gi|643120|emb|CAA58888.1| orf [Hepatitis C virus]
gi|281308|pir|!JQ1584 genome polyprotein - hepatitis C virus (strain U.K.) (fragment)
         Length=640
Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
        TKRNTNRRPTDVKF 14
Query 1
> [gi|27531320|dbj|BAC54272.1| poly protein [Hepatitis C virus type 1b]
```

```
poly protein [Hepatitis C virus type 1b]
 gi | 27531318 | dbj | BAC54271.11
                               poly protein [Hepatitis C virus type 1b]
 gi | 27531314 | dbj | BAC54269.1 |
                               poly protein [Hepatitis C virus type 1b]
 gi|27531308|dbj|BAC54266.1|
                               polyprotein [Hepatitis C virus type 1b]
 gi|21670915|dbj|BAC02467.1|
                               core protein [Hepatitis C virus]
 gi|18148917|dbj|BAB83519.1|
 gi|18148578|dbj|BAB83325.1|
                               core protein [Hepatitis C virus]
 gi|18148576|dbj|BAB83324.1|
                               core protein [Hepatitis C virus]
 gi|18148572|dbj|BAB83322.1|
                               core protein [Hepatitis C virus]
 gi|18148570|dbj|BAB83321.1|
                               core protein [Hepatitis C virus]
 gi|18148568|dbj|BAB83320.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 qi|18148566|dbj|BAB83319.1|
                               core protein [Hepatitis C virus]
 gi|18148564|dbj|BAB83318.1|
                               core protein [Hepatitis C virus]
 gi|18148562|dbj|BAB83317.1|
                               core protein [Hepatitis C virus]
 qi|18148556|dbj|BAB83314.1|
 gi|18148554|dbj|BAB83313.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi | 18148552 | dbj | BAB83312.1 |
                               core protein [Hepatitis C virus]
 gi | 18148550 | dbj | BAB83311.1 |
                               core protein [Hepatitis C virus]
 qi | 18148548 | dbj | BAB83310.1 |
                               core protein [Hepatitis C virus]
 gi|18148546|dbj|BAB83309.1|
 gi|18148544|dbj|BAB83308.1|
                               core protein [Hepatitis C virus]
 gi | 18148542 | dbj | BAB83307.1 |
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi|18148540|dbj|BAB83306.1|
                               core protein [Hepatitis C virus]
 gi|18148787|dbj|BAB83425.1|
                               core protein [Hepatitis C virus]
 gi|18148785|dbj|BAB83424.1|
                               core protein [Hepatitis C virus]
 gi|18148783|dbj|BAB83423.1|
                               core protein [Hepatitis C virus]
 gi|18148781|dbj|BAB83422.1|
                               core protein [Hepatitis C virus]
 gi|18148779|dbj|BAB83421.1|
                               core protein [Hepatitis C virus]
 gi|18148777|dbj|BAB83420.1|
                               core protein [Hepatitis C virus]
 gi|18148773|dbj|BAB83418.1|
                               core protein [Hepatitis C virus]
 qi|18148771|dbj|BAB83417.1|
 qi|18148769|dbj|BAB83416.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi|18148765|dbj|BAB83414.1|
 gi|18148763|dbj|BAB83413.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi|18148761|dbj|BAB83412.1|
 gi|18148757|dbj|BAB83410.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi|18148755|dbj|BAB83409.1|
          Length=191
 Score = 31.2 \text{ bits (69)}, Expect = 5.2
 Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
           TKRNTNRRPTDVKF
                            14
Query 1
Sbjct 11
          . . . . . . . . . Q . . . .
> [gi|21670945|dbj|BAC02482.1| polyprotein [Hepatitis C virus type lb]
 gi|18148650|dbj|BAB83361.1| core protein [Hepatitis C virus]
 gi|18148630|dbj|BAB83351.1|
                               core protein [Hepatitis C virus]
 gi|18148622|dbj|BAB83347.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi | 18148612 | dbj | BAB83342.1 |
                               core protein [Hepatitis C virus]
 gi|18148606|dbj|BAB83339.1|
                               core protein [Hepatitis C virus]
 gi|18148602|dbj|BAB83337.1|
                               core protein [Hepatitis C virus]
 gi|18148594|dbj|BAB83333.1|
                               core protein [Hepatitis C virus]
 gi|18148592|dbj|BAB83332.1|
                               core protein [Hepatitis C virus]
 gi|18148588|dbj|BAB83330.1|
 gi|18148586|dbj|BAB83329.1|
                               core protein [Hepatitis C virus]
 gi|18148580|dbj|BAB83326.1|
                               core protein [Hepatitis C virus]
                               core protein [Hepatitis C virus]
 gi|18148510|dbj|BAB83291.1|
                               core protein [Hepatitis C virus]
 gi|18148867|dbj|BAB83465.1
                               core protein [Hepatitis C virus]
 gi|18148859|dbj|BAB83461.1|
                               core protein [Hepatitis C virus]
 gi|18148711|dbj|BAB83387.1|
          Length=191
 Score = 31.2 \text{ bits } (69), Expect = 5.2
 Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
           TKRNTNRRPTDVKF
Query 1
```

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>  gi|464172|dbj|BAA03732.1| polyprotein [Hepatitis C virus]
        Length=502
Score = 31.2 \text{ bits (69)}, Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
        TKRNTNRRPTDVKF 14
Query 1
> [ qi|1372958|qb|AAB02127.1| polyprotein [Hepatitis C virus]
        Length=778
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
Length=3015
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> | gi|794212|gb|AAA65815.1| precursor protein
        Length=319
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
gi|62132123|gb|AAX68885.1| core protein [Hepatitis C virus]
gi|62132117|gb|AAX68882.1| core protein [Hepatitis C virus]
gi|62132103|gb|AAX68875.1| core protein [Hepatitis C virus]
gi|62132097|gb|AAX68872.1| core protein [Hepatitis C virus]
gi|62132069|gb|AAX68858.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1
         TKRNTNRRPTDVKF 14
> 📶 gi|62132133|qb|AAX68890.1| core protein [Hepatitis C virus]
gi|62132131|gb|AAX68889.1| core protein [Hepatitis C virus]
gi|62132129|gb|AAX68888.1| core protein [Hepatitis C virus]
gi|62132095|gb|AAX68871.1| core protein [Hepatitis C virus]
gi|62132093|gb|AAX68870.1| core protein [Hepatitis C virus]
qi|62132085|qb|AAX68866.1| core protein [Hepatitis C virus]
qi|62132083|qb|AAX68865.1| core protein [Hepatitis C virus]
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gi|62132067|gb|AAX68857.1| core protein [Hepatitis C virus]
qi|62132065|qb|AAX68856.1| core protein [Hepatitis C virus]
gi|62132063|gb|AAX68855.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
 Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [gi|62132127|gb|AAX68887.1] core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1
         TKRNTNRRPTDVKF 14
>  gi|62132125|gb|AAX68886.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [ | gi | 62132121 | gb | AAX68884.1 | core protein [Hepatitis C virus]
        Length=129
 Score = 31.2 \text{ bits (69)}, Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1
        TKRNTNRRPTDVKF 14
> gi|62132119|gb|AAX68883.1| core protein [Hepatitis C virus]
        Length=129
 Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
>  gi|62132113|gb|AAX68880.1| core protein [Hepatitis C virus]
        Length=129
 Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1
        TKRNTNRRPTDVKF 14
> [gi|62132111|gb|AAX68879.1| core protein [Hepatitis C virus]
```

Length=129

```
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
qi|62132077|gb|AAX68862.1| core protein [Hepatitis C virus]
       Length=129
Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [gi|62132107|gb|AAX68877.1] core protein [Hepatitis C virus]
gi|62132071|gb|AAX68859.1| core protein [Hepatitis C virus]
       Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> Tigi|62132105|gb|AAX68876.1| core protein [Hepatitis C virus]
       Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
Length=129
Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
>  gi|62132091|qb|AAX68869.1| core protein [Hepatitis C virus]
qi|62132075|qb|AAX68861.1| core protein [Hepatitis C virus]
       Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
       TKRNTNRRPTDVKF 14
Query 1
Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
```

```
Query 1 TKRNTNRRPTDVKF 14
> figi|62132087|gb|AAX68867.1| core protein [Hepatitis C virus]
gi|62132073|gb|AAX68860.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 \text{ bits (69)}, Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [gi|62132081|gb|AAX68864.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> Tigi|62132079|gb|AAX68863.1| core protein [Hepatitis C virus]
gi|62132057|gb|AAX68852.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 \text{ bits } (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
> [gi|62132061|gb|AAX68854.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
         TKRNTNRRPTDVKF 14
Query 1
> Tigi|62132059|gb|AAX68853.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
Query 1 TKRNTNRRPTDVKF 14
>  gi|62132051|gb|AAX68849.1| core protein [Hepatitis C virus]
        Length=129
Score = 31.2 bits (69), Expect = 5.2
Identities = 13/14 (92%), Positives = 13/14 (92%), Gaps = 0/14 (0%)
         TKRNTNRRPTDVKF 14
Query 1
```

. .



results of NIASI

BLASTP 2.2.11 [Jun-05-2005]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1121178147-19990-122842291980.BLASTQ2

Query=

(15 letters) KARQPAGRHVAXQPG gonoType specific

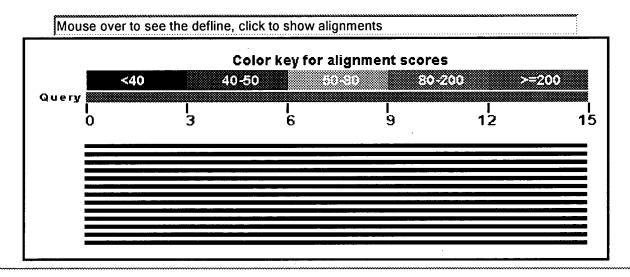
Database: All non-redundant GenBank CDS

translations+PDB+SwissProt+PIR+PRF excluding environmental samples 2,662,429 sequences; 907,986,452 total letters

If you have any problems or questions with the results of this search please refer to the ${\tt BLAST\ FAQS}$

Taxonomy reports

Distribution of 13 Blast Hits on the Query Sequence



	Score	E
Sequences producing significant alignments:	(Bits)	Value
requested producting engineers.	(,	
qi 2326455 emb CAA72801.1 polyprotein [Hepatitis C virus type 6	<u>32.0</u>	3.3
gi 44885938 dbj BAD11961.1 polyprotein [Hepatitis C virus type	32.0	3.3
<pre>qi 44885936 dbj BAD11960.1 polyprotein [Hepatitis C virus ty</pre>	32.0	3.3
<pre>gi 56124348 gb AAV75974.1 core protein [Hepatitis C virus] ></pre>	32.0	3.3
<pre>gi 56124344 gb AAV75972.1 core protein [Hepatitis C virus]</pre>	32.0	3.3
<pre>gi 56124330 gb AAV75965.1 core protein [Hepatitis C virus]</pre>	32.0	3.3
gi 56124322 gb AAV75961.1 core protein [Hepatitis C virus]	32.0	3.3
gi 974347 qb AAB40038.1 core protein [Hepatitis C virus type 6]	32.0	3.3
<pre>qi 4433100 dbj BAA21058.1 unnamed protein product [Hepatitis C</pre>	32.0	3.3
<pre>qi 4433099 dbj BAA21057.1 unnamed protein product [Hepatitis C</pre>	32.0	3.3
gi 532381 gb AAA21037.1 polyprotein	32.0	3.3
gi 57791994 gb AAW56714.1 polyprotein [Hepatitis C virus type 6	32.0	3.3
qi 44885934 dbj BAD11959.1 polyprotein [Hepatitis C virus type	30.8	7.3

```
Get selected sequences
                              Select all
                                          Deselect all
> gi|2326455|emb|CAA72801.1| polyprotein [Hepatitis C virus type 6a]
          Length=3018
 Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
           KARQPQGRHWAPQPG 15
Ouerv 1
Sbjct 67 ..... 80
> [ ] qi|44885938|dbj|BAD11961.1| polyprotein [Hepatitis C virus type 6a]
          Length=117
 Score = 32.0 \text{ bits } (71), \text{ Expect} = 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1
           KARQPQGRHWAPQPG 15
Sbjct 67 ....-...
> [gi|44885936|dbj|BAD11960.1| polyprotein [Hepatitis C virus type 6a]
 gi|44885932|dbj|BAD11958.1| polyprotein [Hepatitis C virus type 6a]
          Length=117
 Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
           KARQPQGRHWAPQPG 15
Query 1
Sbjct 67 ..... 80
> [gi|56124348|gb|AAV75974.1| core protein [Hepatitis C virus]
 gi|56124346|gb|AAV75973.1| core protein [Hepatitis C virus]
gi|56124342|gb|AAV75971.1|core protein [Hepatitis C virus]gi|56124340|gb|AAV75970.1|core protein [Hepatitis C virus]qi|56124338|qb|AAV75969.1|core protein [Hepatitis C virus]
 gi|56124336|gb|AAV75968.1| core protein [Hepatitis C virus]
 gi|56124334|gb|AAV75967.1| core protein [Hepatitis C virus]
 gi|56124332|gb|AAV75966.1| core protein [Hepatitis C virus]
 gi|56124328|qb|AAV75964.1| core protein [Hepatitis C virus]
 qi|56124326|qb|AAV75963.1| core protein [Hepatitis C virus]
 gi|56124324|gb|AAV75962.1| core protein [Hepatitis C virus]
          Length=126
 Score = 32.0 bits (71), Expect = 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1
           KARQPQGRHWAPQPG 15
Sbjct 67 .....
Length=126
 Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1
           KARQPQGRHWAPQPG 15
```

Sbjct 67

.

```
Length=126
 Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1
         KARQPQGRHWAPQPG 15
Sbjct 67 ..... 80
> figi|56124322|gb|AAV75961.1| core protein [Hepatitis C virus]
        Length=125
Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1 KARQPQGRHWAPQPG 15
Sbjct 67 ...... 80
> [gi|974347|gb|AAB40038.1] core protein [Hepatitis C virus type 6]
        Length=191
Score = 32.0 bits (71), Expect = 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
        KARQPQGRHWAPQPG 15
Query 1
Sbjct 67 ..... 80
> [ qi|4433100|dbj|BAA21058.1| unnamed protein product [Hepatitis C virus]
        Length=109
Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
 Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%).
Query 1 KARQPQGRHWAPQPG 15
Sbjct 67 ..... 80
> qi|4433099|dbj|BAA21057.1| unnamed protein product [Hepatitis C virus]
       Length=109
Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1 KARQPQGRHWAPQPG 15
Sbjct 67 ..... 80
Length=191
Score = 32.0 \text{ bits } (71), \text{ Expect = } 3.3
Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
        KARQPQGRHWAPQPG 15
Query 1
Sbjct 67 ...... 80
Length=3019
Score = 32.0 \text{ bits } (71), \text{ Expect} = 3.3
```

```
KARQPQGRHWAPQPG 15
Query 1
Sbjct 67 ....-...
> Tigi|44885934|dbj|BAD11959.1| polyprotein [Hepatitis C virus type 6a]
          Length=117
 Score = 30.8 \text{ bits } (68), Expect = 7.3
 Identities = 13/15 (86%), Positives = 14/15 (93%), Gaps = 1/15 (6%)
Query 1
         KARQPQGRHWAPQPG 15
Sbjct 67 ..... 80
     Get selected sequences
                             Select all
                                        Deselect all
  Database: All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding
environmental samples
    Posted date: Jul 11, 2005 3:29 AM
  Number of letters in database: 907986452
  Number of sequences in database: 2662429
Lambda
          K
                 H
   0.315
           0.134
                     0.498
Gapped
Lambda
                 Η
           K
           0.0410
                     0.140
   0.267
Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Sequences: 2662429
Number of Hits to DB: 8320718
Number of extensions: 86500
Number of successful extensions: 518
Number of sequences better than 10: 5
Number of HSP's better than 10 without gapping: 0
Number of HSP's gapped: 523
Number of HSP's successfully gapped: 5
Number of extra gapped extensions for HSPs above 10: 518
Length of query: 15
Length of database: 907986452
Length adjustment: 0
Effective length of query: 15
Effective length of database: 907986452
Effective search space: 13619796780
Effective search space used: 13619796780
T: 11
A: 40
X1: 16 (7.3 bits)
X2: 38 (14.6 bits)
X3: 64 (24.7 bits)
S1: 41 (20.4 bits)
S2: 67 (30.4 bits)
```

Identities = 14/15 (93%), Positives = 14/15 (93%), Gaps = 1/15 (6%)



results of NIAST

BLASTP 2.2.11 [Jun-05-2005]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1121178537-28057-130502516779.BLASTQ4

Query=

(18 letters) LLSPRGSRPHWGPNOPRR grantypo -specific

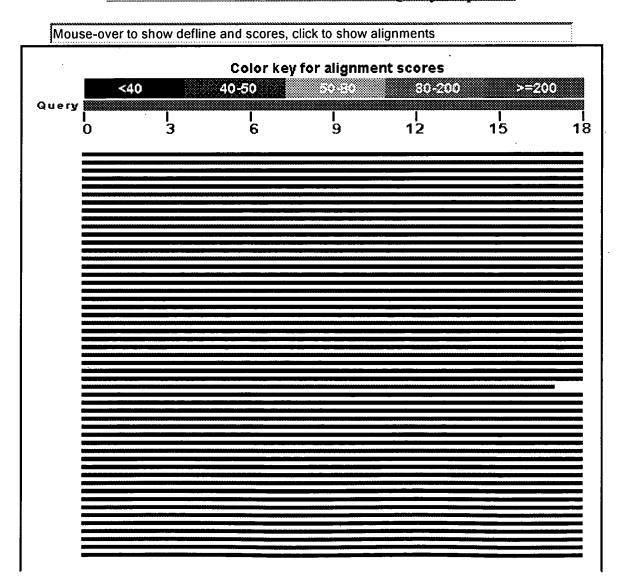
Database: All non-redundant GenBank CDS

translations+PDB+SwissProt+PIR+PRF excluding environmental samples 2,662,429 sequences; 907,986,452 total letters

If you have any problems or questions with the results of this search please refer to the ${\tt BLAST\ FAQs}$

Taxonomy reports

Distribution of 500 Blast Hits on the Query Sequence



	Score	E
Sequences producing significant alignments:	(Bits)	Value
<pre>gi 20146970 qb AAM09915.1 polyprotein [Hepatitis C virus]</pre>	<u>45.8</u>	3e-04
<pre>gi 19744446 gb AAL96496.1 polyprotein [Hepatitis C virus]</pre>	<u>45.8</u>	3e-04
<pre>gi 2326455 emb CAA72801.1 polyprotein [Hepatitis C virus type 6</pre>	<u>45.8</u>	3e-04
gi 44885956 dbj BAD11970.1 polyprotein [Hepatitis C virus type	45.8	3e-04
gi 44885942 dbj BAD11963.1 polyprotein [Hepatitis C virus type	45.8	3e-04
qi 44885938 dbj BAD11961.1 polyprotein [Hepatitis C virus type	45.8	3e-04
qi 44885936 dbj BAD11960.1 polyprotein [Hepatitis C virus ty	45.8	3e-04
gi 44885934 dbj BAD11959.1 polyprotein [Hepatitis C virus type	45.8	3e-04
gi 3550761 dbj BAA32665.1 polyprotein [Hepatitis C virus]	45.8	3e-04
gi 7274367 gb AAF44741.1 core structural protein [Hepatitis	45.8	3e-04
qi 7274365 qb AAF44740.1 core structural protein [Hepatitis C v	45.8	3e-04
gi 56124348 gb AAV75974.1 core protein [Hepatitis C virus] >	45.8	3e-04
	45.8	3e-04
	45.8	3e-04
gi 56124322 gb AAV75961.1 core protein [Hepatitis C virus]	*******	
<u>gi 1066618 gb AAC42193.1 </u> core protein	45.8	3e-04
<pre>gi 974351 gb AAB40040.1 core protein [Hepatitis C virus]</pre>	<u>45.8</u>	3e-04
<pre>gi 974347 gb AAB40038.1 core protein [Hepatitis C virus type 6]</pre>	<u>45.8</u>	3e-04
gi 1009263 dbj BAA07092.1 core, env and part of E2/NS1 [Hepatit	45.8	3e-04
<pre>gi 1009261 dbj BAA07091.1 core, env and part of E2/NS1 [Hepatit</pre>	45.8	3e-04
<pre>gi 1009259 dbj BAA07090.1 core, env and part of E2/NS1 [Hepatit</pre>	<u>45.8</u>	3e-04
<pre>gi 1009271 dbj BAA07271.1 core, env and part of E2/NS1 [Hepatit</pre>	<u>45.8</u>	3e-04
<pre>gi 1765887 dbj BAA13625.1 core, env and part of E2/NS1 [Hepatit</pre>	<u>45.8</u>	3e-04
<pre>gi 1765885 dbj BAA13624.1 core, env and part of E2/NS1 [Hepatit</pre>	45.8	3e-04
<pre>gi 1765877 dbj BAA13620.1 core, env and part of E2/NS1 [Hepatit</pre>	45.8	3e-04
<pre>gi 1765875 dbj BAA13619.1 core, env and part of E2/NS1 [Hepatit</pre>	<u>45.8</u>	3e-04
<pre>gi 1765873 dbj BAA13618.1 core, env and part of E2/NS1 [Hepatit</pre>	45.8	3e-04
<pre>gi 1765870 dbj BAA13616.1 core, env, and part of E2/NS1 [Hepatit</pre>	45.8	3e-04
gi 532381 gb AAA21037.1 polyprotein	45.8	3e-04
gi 57791994 gb AAW56714.1 polyprotein [Hepatitis C virus type 6	45.8	3e-04
gi 56124344 gb AAV75972.1 core protein [Hepatitis C virus]	43.9	0.001
gi 793911 gb AAA65788.1 precursor protein	43.1	0.002
gi 38147542 gb AAR12079.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 37779401 gb AA086567.1 core protein [Hepatitis C virus]	43.1	0.002
gi 37779387 gb AA086560.1 core protein [Hepatitis C virus]	43.1	0.002
gi 37779351 gb AA086542.1 core protein [Hepatitis C virus]	43.1	0.002
gi 20146986 gb AAM09923.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 20146978 gb AAM09919.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 20146974 gb AAM09917.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 20146968 gb AAM09914.1 polyprotein [Hepatitis C virus] >g	43.1	0.002
gi 22135572 gb AAM93266.1 core protein [Hepatitis C virus]	43.1	0.002
gi 22135570 gb AAM93265.1 core protein [Hepatitis C virus]	43.1	0.002
gi 23268519 gb AAN16416.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 19744444 gb AAL96495.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 19744440 qb AAL96493.1 polyprotein [Hepatitis C virus]	43.1	0.002
gi 23328866 gb AAC42195.2 core protein [Hepatitis C virus]	43.1	0.002
gi 443909 emb CAA82611.1 unnamed protein product [Hepatitis	$\frac{43.1}{43.1}$	0.002
gi 443907 emb CAA82610.1 unnamed protein product [Hepatitis	43.1	0.002
gi 443905 emb CAA82609.1 unnamed protein product [Hepatitis	$\frac{43.1}{43.1}$	0.002
gi 44885954 dbj BAD11969.1 polyprotein [Hepatitis C virus type	43.1	0.002
<u>gi 44885952 dbj BAD11968.1 </u> polyprotein [Hepatitis C virus type	43.1	0.002
gi 44885950 dbj BAD11967.1 polyprotein [Hepatitis C virus type	$\frac{43.1}{43.1}$	0.002
	$\frac{43.1}{43.1}$	0.002
gi 44885948 dbj BAD11966.1 polyprotein [Hepatitis C virus type		
gi 44885946 dbj BAD11965.1 polyprotein [Hepatitis C virus type	$\frac{43.1}{43.1}$	0.002
gi 44885944 dbj BAD11964.1 polyprotein [Hepatitis C virus type	43.1	0.002
gi 44885940 dbj BAD11962.1 polyprotein [Hepatitis C virus type	43.1	0.002
gi 44885922 dbj BAD11953.1 polyprotein [Hepatitis C virus type	43.1	0.002
gi 3550765 dbj BAA32667.1 polyprotein [Hepatitis C virus]	43.1	0.002
<pre>gi 3550763 dbj BAA32666.1 polyprotein [Hepatitis C virus]</pre>	<u>43.1</u>	0.002

```
0.002
                             core protein [Hepatitis C virus]
                                                                      43.1
gi | 67482738 | gb | AAY68015.1 |
                                                                      43.1
                                                                              0.002
                             polyprotein [Hepatitis C virus]
gi|62362180|gb|AAX81527.1|
                                                                              0.002
gi|56124354|gb|AAV75977.1|
                                                                      43.1
                             core protein [Hepatitis C virus]
                             core protein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
gi|56124352|gb|AAV75976.1|
                                                                              0.002
                             core protein [Hepatitis C virus]
                                                                      43.1
gi|56124350|gb|AAV75975.1|
                                                                              0.002
gi|56124318|gb|AAV75959.1|
                             core protein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
gi|56124130|gb|AAV75865.1|
                             core protein [Hepatitis C virus]
                                                                      43.1
                                                                      43.1
                                                                              0.002
gi|3660726|gb|AAC61696.1|
                            polyprotein [Hepatitis C virus]
qi|1066604|qb|AAC42186.1|
                            core protein
                                                                      <u>43.1</u>
                                                                              0.002
gi|1724052|gb|AAB40071.1|
                            core protein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
                                                                      43.1
gi[632194|pir]|PC2219 polypeptide - hepatitis C virus (type 5a)
                                                                              0.002
                             core, env and part of E2/NS1 [Hepatit
gi|1009269|dbj|BAA07095.1|
                                                                      <u>43.1</u>
                                                                              0.002
gi|1009257|dbj|BAA07089.1|
                             core, env, and part of E2/NS1 [Hepatit
                                                                      43.1
                                                                              0.002
qi|1009253|dbj|BAA07087.1|
                             polyprotein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
                                                                      43.1
                             polyprotein [Hepatitis C virus]
                                                                              0.002
gi|1246377|dbj|BAA09976.1|
gi|1246371|dbj|BAA09974.1|
                             polyprotein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
gi|601937|dbj|BAA06739.1|
                            core, env and part of E2/NS1 [Hepatiti
                                                                      43.1
                                                                              0.002
                             polyprotein [Hepatitis C virus]
                                                                      43.1
                                                                              0.002
gi|2605602|dbj|BAA23327.1|
gi|1765891|dbj|BAA13627.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      43.1
                                                                              0.002
                             core, env and part of E2/NS1 [Hepatit
                                                                      43.1
                                                                              0.002
gi|1765889|dbj|BAA13626.1|
                             core, env and part of E2/NS1 [Hepatit
gi|1765883|dbj|BAA13623.1|
                                                                      43.1
                                                                              0.002
                                                                      43.1
                                                                              0.002
gi|1765881|dbj|BAA13622.1|
                             core, env and part of E2/NS1 [Hepatit
                             core, env and part of E2/NS1 [Hepatit
                                                                              0.002
gi|1765879|dbj|BAA13621.1|
                                                                      43.1
gi|600265|dbj|BAA13617.1| core, env and part of E2/NS1 [Hepatiti
                                                                              0.002
                                                                      43.1
gi|1765868|dbj|BAA13615.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      43.1
                                                                              0.002
                             core, env and part of E2/NS1 [Hepatit
gi|1765866|dbj|BAA13614.1|
                                                                      43.1
                                                                              0.002
                           polyprotein >gi|532423|gb|AAA21058.1...
                                                                      43.1
                                                                              0.002
gi|532427|gb|AAA21060.1|
                                                                      43.1
                                                                              0.002
gi|532425|gb|AAA21059.1|
                           polyprotein
gi|532417|gb|AAA21055.1|
                                                                      43.1
                                                                              0.002
                           polyprotein
                                                                      43.1
                                                                              0.002
gi|532415|gb|AAA21054.1|
                           polyprotein
                                                                      43.1
                                                                              0.002
qi|532413|qb|AAA21053.1| polyprotein
gi|93949|pir||S12707 genome polyprotein - hepatitis C virus (...
                                                                      42.4
                                                                              0.003
                                                                      42.4
gi|1183029|dbj|BAA04609.1| polyprotein [Hepatitis C virus]
                                                                              0.003
                                                                      42.4
                                                                              0.003
gi|1183033|dbj|BAA09890.1| polyprotein [Hepatitis C virus]
gi|221584|dbj|BAA02007.1| polyprotein precursor [Hepatitis C ...
                                                                      42.4
                                                                              0.003
                                                                              0.003
gi|443895|emb|CAA82604.1|
                            unnamed protein product [Hepatitis ...
                                                                      42.4
                                                                      42.4
                                                                              0.003
gi|794209|gb|AAA65812.1|
                           precursor protein
                                                                      42.4
gi|37779407|gb|AA086570.1|
                             core protein [Hepatitis C virus] >...
                                                                              0.003
                                                                      42.4
gi|37779393|gb|AA086563.1|
                             core protein [Hepatitis C virus] >...
                                                                              0.003
gi|37779391|gb|AA086562.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779383|gb|AA086558.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779379|gb|AA086556.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779377|gb|AA086555.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779375|gb|AA086554.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779373|gb|AA086553.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779369|gb|AA086551.1|
                                                                      42.4
                                                                              0.003
gi|37779367|gb|AA086550.1|
                             core protein [Hepatitis C virus]
gi|37779363|qb|AA086548.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779361|gb|AA086547.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779357|gb|AA086545.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779349|qb|AA086541.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi | 37779341 | gb | AAO86537.1 |
                             core protein [Hepatitis C virus]
                                                                      <u>42.4</u>
                                                                              0.003
gi|37779337|qb|AA086535.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779321|gb|AA086527.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|37779315|gb|AA086524.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|30841412|gb|AAP34684.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
                                                                      42.4
                                                                              0.003
gi|30841408|gb|AAP34682.1|
                             core protein [Hepatitis C virus]
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
qi|30841400|qb|AAP34678.1|
gi|30841396|gb|AAP34676.1|
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
                                                                      42.4
gi|30841394|qb|AAP34675.1|
                             core protein [Hepatitis C virus] >...
                                                                              0.003
                                                                      42.4
                                                                              0.003
gi|30841388|gb|AAP34672.1|
                             core protein [Hepatitis C virus]
gi | 20147024 | gb | AAM09942.1 |
                             polyprotein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|20147022|gb|AAM09941.1|
                             polyprotein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
                             polyprotein [Hepatitis C virus] >g...
gi|20147020|gb|AAM09940.1|
                                                                      42.4
                                                                              0.003
                             polyprotein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|20147018|gb|AAM09939.1|
                             polyprotein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|20147012|gb|AAM09936.1|
                             polyprotein [Hepatitis C virus]
                                                                      42.4
                                                                              0.003
gi|20147010|gb|AAM09935.1|
```

~; 201470001~b 77M00024 11	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 201470.08 gb AAM09934.1		$\frac{12.1}{42.4}$	0.003	
gi 20147006 qb AAM09933.1	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$	0.003	
gi 20147004 gb AAM09932.1	polyprotein [Hepatitis C virus]			
gi 20146976 gb AAM09918.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 20146960 gb AAM09910.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 20146958 gb AAM09909.1	polyprotein [Hepatitis C virus]	<u>42.4</u>	0.003	
gi 22135568 gb AAM93264.1	core protein [Hepatitis C virus]	<u>42.4</u>	0.003	
gi 23268549 gb AAN16431.1	polyprotein [Hepatitis C virus]	<u>42.4</u>	0.003	
gi 23268547 gb AAN16430.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268543 gb AAN16428.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268541 gb AAN16427.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268539 gb AAN16426.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268535 gb AAN16424.1	polyprotein [Hepatitis C virus] >g	42.4	0.003	
gi 23268525 gb AAN16419.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268523 gb AAN16418.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268521 gb AAN16417.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 23268517 gb AAN16415.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 19744466 gb AAL96506.1	polyprotein [Hepatitis C virus]	42.4	0.003	
	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$	0.003	
gi 19744464 gb AAL96505.1			0.003	
gi 19744460 gb AAL96503.1	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$		
gi 19744458 gb AAL96502.1	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$	0.003	•
gi 19744450 qb AAL96498.1	polyprotein [Hepatitis C virus] >g	42.4	0.003	
gi 19744448 gb AAL96497.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 19744434 gb AAL96490.1	polyprotein [Hepatitis C virus]	<u>42.4</u>	0.003	
gi 32401064 qb AAP80735.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 32401062 gb AAP80734.1	polyprotein [Hepatitis C virus]	<u>42.4</u>	0.003	
gi 32401060 gb AAP80733.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 42411857 gb AAS15453.1	core protein [Hepatitis C virus] >	42.4	0.003	
gi 42411853 gb AAS15451.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 42411519 gb AAS15284.1	core protein [Hepatitis C virus] >	42.4	0.003	
gi 42411517 gb AAS15283.1	core protein [Hepatitis C virus] >	42.4	0.003	
gi 42411511 gb AAS15280.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 42411505 gb AAS15277.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 42411499 gb AAS15274.1	core protein [Hepatitis C virus] >	42.4	0.003	
	core protein [Hepatitis C virus]	42.4	0.003	
gi 42411481 gb AAS15265.1			0.003	
gi 62132091 gb AAX68869.1	core protein [Hepatitis C virus] >	$\frac{42.4}{42.4}$	0.003	
gi 443901 emb CAA82607.1	unnamed protein product [Hepatitis	$\frac{42.4}{42.4}$		
gi 443899 emb CAA82606.1	unnamed protein product [Hepatitis	42.4	0.003	
gi 443897 emb CAA82605.1	unnamed protein product [Hepatitis	42.4	0.003	
gi 443893 emb CAA82603.1	unnamed protein product [Hepatitis	42.4	0.003	
gi 443889 emb CAA82601.1	unnamed protein product [Hepatitis	42.4	0.003	
gi 443887 emb CAA82600.1	unnamed protein product [Hepatitis	<u>42.4</u>	0.003	
gi 443885 emb CAA82599.1	unnamed protein product [Hepatitis	42.4	0.003	
gi 996047 emb CAA62759.1	capsid protein [Hepatitis C virus type	42.4	0.003	
gi 996042 emb CAA62680.1	capsid protein [Hepatitis C virus type	42.4	0.003	
gi 996053 emb CAA62674.1	capsid protein [Hepatitis C virus type	42.4	0.003	
gi 996038 emb CAA62673.1	capsid protein [Hepatitis C virus type	<u>42.4</u>	0.003	
gi 30090046 gb AAP21076.1	capsid protein [Hepatitis C virus]	42.4	0.003	
gi 30090045 gb AAP21075.1	capsid protein [Hepatitis C virus]	42.4	0.003	
gi 30090044 gb AAP21074.1	capsid protein [Hepatitis C virus]	42.4	0.003	
gi 52367249 gb AAU45101.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 22324793 gb AAM95640.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 22038174 gb AAM90309.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 2599512 gb AAB84147.1	core protein [Hepatitis C virus type 4	42.4	0.003	
gi 18958556 gb AAL82645.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 18958554 gb AAL82644.1	polyprotein [Hepatitis C virus]	42.4	0.003	
		42.4	0.003	`
gi 18958552 gb AAL82643.1	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$	0.003	
gi 18958548 gb AAL82641.1	polyprotein [Hepatitis C virus]			
gi 18958546 gb AAL82640.1	polyprotein [Hepatitis C virus]	$\frac{42.4}{42.4}$	0.003	
gi 18958544 gb AAL82639.1	polyprotein [Hepatitis C virus]	42.4	0.003	
gi 67482736 gb AAY68014.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 67482734 gb AAY68013.1	core protein [Hepatitis C virus] >	42.4	0.003.	
gi 67482732 gb AAY68012.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 67482724 gb AAY68008.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 67482710 gb AAY68001.1	core protein [Hepatitis C virus]	42.4	0.003	
gi 1176429 gb AAB35341.1	putative core protein [hepatitis C	42.4	0.003	
gi 50727013 gb AAR12108.2	polyprotein [Hepatitis C virus]	<u>42.4</u>	0.003	

•

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polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|507270.11|gb|AAR12099.2|
                                                                       42.4
                                                                                0.003
                             polyprotein [Hepatitis C virus]
gi|50727009|gb|AAR12097.2|
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus]
gi | 61223084 | gb | AAX40650.1 |
                                                                       42.4
                                                                                0.003
                             polyprotein [Hepatitis C virus]
gi|67811042|gb|AAY82071.1|
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.4
qi|67811040|gb|AAY82070.1|
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.4
qi | 67811030 | qb | AAY82065.1 |
                                                                                0.003
                             core protein [Hepatitis C virus]
                                                                       42.4
gi | 56124314 | gb | AAV75957.1 |
                                                                                0.003
                             core protein [Hepatitis C virus]
                                                                       42.4
gi|56124246|gb|AAV75923.1|
                                                                                0.003
                                                                       42.4
qi | 56124132 | qb | AAV75866.1 |
                             core protein [Hepatitis C virus] >...
                                                                                0.003
qi|56124128|gb|AAV75864.1|
                              core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|7650266|gb|AAF65964.1|
                            polyprotein [Hepatitis C virus]
                                                                       42.4
gi|7650244|gb|AAF65953.1|
                            polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                            polyprotein [Hepatitis C virus]
gi|5918959|gb|AAD56195.1|
                                                                       42.4
                                                                                0.003
                            polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 5918957 | qb | AAD56194.1 |
                                                                       42.4
                                                                                0.003
gi|21670909|dbj|BAC02464.1|
                              polyprotein [Hepatitis C virus type
                                                                                0.003
gi|21670873|dbj|BAC02446.1|
                              polyprotein [Hepatitis C virus type
                                                                       42.4
gi|14161283|gb|AAK54689.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|14161281|gb|AAK54688.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                             polyprotein [Hepatitis C virus] >g...
                                                                       42.4
                                                                                0.003
gi|38489510|gb|AAR21440.1|
                                                                       42.4
                                                                                0.003
gi|1066606|gb|AAC42187.1|
                            core protein
                                                                       42.4
                                                                                0.003
gi|1066572|gb|AAC42170.1|
                            core protein
                                                                       42.4
                                                                                0.003
                            polyprotein [Hepatitis C virus]
gi|2895899|gb|AAC03058.1|
                                                                       42.4
                             core protein [Hepatitis C virus] >...
                                                                                0.003
gi | 45160632 | gb | AAS55376.1 |
gi|45160630|gb|AAS55375.1|
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus] >...
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160628|gb|AAS55374.1|
                             core protein [Hepatitis C virus] >...
                                                                       <u>42.4</u>
                                                                                0.003
gi | 45160626 | gb | AAS55373.1 |
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                                                                                0.003
gi|45160624|gb|AAS55372.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160604|gb|AAS55362.1|
                                                                                0.003
gi|45160602|gb|AAS55361.1|
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                             core protein [Hepatitis C virus]
                                                                                0.003
gi|45160596|gb|AAS55358.1|
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus] >...
                                                                       42.4
gi|45160588|gb|AAS55354.1|
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                                                                                0.003
gi|45160580|gb|AAS55350.1|
                                                                       42.4
                                                                                0.003
gi|45160570|gb|AAS55345.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus]
gi|45160566|gb|AAS55343.1|
                                                                       42.4
                                                                                0.003
gi|45160564|gb|AAS55342.1|
                             core protein [Hepatitis C virus] >...
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160552|gb|AAS55336.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 45160548 | gb | AAS55334.1 |
gi|45160542|gb|AAS55331.1|
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                                                                                0.003
gi | 45160528 | gb | AAS55324.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 45160514 | gb | AAS55317.1 |
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                                                                                0.003
                                                                       42.4
gi|45160504|gb|AAS55312.1|
                             core protein [Hepatitis C virus]
                                                                                0.003
gi|45160494|gb|AAS55307.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus]
                                                                                0.003
gi|45160492|gb|AAS55306.1|
                                                                       42.4
                                                                       42.4
                                                                                0.003
gi | 45160484 | gb | AAS55302.1 |
                             core protein [Hepatitis C virus]
gi|45160458|gb|AAS55289.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 45160456 | gb | AAS55288.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 45160454 | gb | AAS55287.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160452|gb|AAS55286.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160438|gb|AAS55279.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160416|gb|AAS55268.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus]
                                                                                0.003
gi|45160408|gb|AAS55264.1|
                                                                       42.4
gi|45160398|gb|AAS55259.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi | 45160392 | qb | AAS55256.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                                0.003
gi|45160390|gb|AAS55255.1|
gi|1930120|gb|AAB51539.1|
                            nucleocapsid protein [Hepatitis C viru
                                                                       42.4
                                                                                0.003
gi | 1930118 | gb | AAB51538.1 |
                            nucleocapsid protein [Hepatitis C viru
                                                                       42.4
                                                                                0.003
gi|974349|gb|AAB40039.1|
                           core protein [Hepatitis C virus type 4]
                                                                       42.4
                                                                                0.003
gi|974345|gb|AAB40037.1|
                           core protein [Hepatitis C virus type 5]
                                                                       42.4
                                                                                0.003
gi|1369771|gb|AAB02117.1|
                            core protein
                                                                       42.4
                                                                                0.003
gi|1322344|gb|AAB00215.1|
                            core protein
                                                                       42.4
                                                                                0.003
gi|320212|pir||PQ0393
                       genome polyprotein - hepatitis C virus ...
                                                                       42.4
                                                                                0.003
                        genome polyprotein N2 - hepatitis C vir...
                                                                       42.4
                                                                                0.003
gi|540812|pir||PC2061
gi|540811|pir||PC2060
                        genome polyprotein N1 - hepatitis C virus
                                                                                0.003
                                                                       42.4
                            polyprotein
                                                                       42.4
                                                                                0.003
gi|1181883|gb|AAA86931.1|
gi|1181881|gb|AAA86930.1|
                            polyprotein >gi|1181879|gb|AAA86929...
                                                                       42.4
                                                                                0.003
qi|1181859|gb|AAA86919.1|
                                                                       42.4
                                                                                0.003
                            polyprotein
gi|1181857|gb|AAA86918.1|
                                                                       42.4
                                                                                0.003
                           polyprotein
```

```
42.4
                                                                               0.003
gi|1181855|gb|AAA86917.1|
                            polyprotein
                             core protein [Hepatitis C virus ty...
                                                                       42.4
                                                                               0.003
gi|40795715|gb|AAR91569.1|
                                                                      42.4
                                                                               0.003
                            polyprotein [Hepatitis C virus]
gi|9956911|gb|AAG09127.1|
                                                                      42.4
                                                                               0.003
gi|9956907|gb|AAG09125.1|
                            polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
                            polyprotein [Hepatitis C virus]
gi|9956901|qb|AAG09122.1|
                                                                       42.4
                            polyprotein precursor [Hepatitis C vir
                                                                               0.003
gi|471119|dbj|BAA03255.1|
qi|471118|dbj|BAA03253.1|
                                                                       42.4
                                                                               0.003
                            polyprotein precursor [Hepatitis C vir
                                                                       42.4
                                                                               0.003
gi|471114|dbj|BAA03251.1|
                            polyprotein precursor [Hepatitis C vir
gi|2943784|dbj|BAA25076.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi|2580421|dbj|BAA23132.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi|1009265|dbj|BAA07093.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                       42.4
                                                                               0.003
                             core, env, and part of E2/NS1 [Hepati
gi|1197155|dbj|BAA08592.1|
                                                                       42.4
                                                                               0.003
                             core, env, and part of E2/NS1 [Hepati
gi|1197125|dbj|BAA08587.1|
                                                                       42.4
                                                                               0.003
gi|1197163|dbj|BAA08586.1|
                             core, env, and part of E2/NS1 [Hepati
                                                                       42.4
                                                                               0.003
                             core, env, and part of E2/NS1 [Hepati
                                                                      42.4
                                                                               0.003
gi|1197115|dbj|BAA08584.1|
                             core, env, and part of E2/NS1 [Hepati
                                                                       42.4
                                                                               0.003
gi | 1197111 | dbj | BAA08583.1 |
gi|1197103|dbj|BAA08581.1|
                             core, env, and part of E2/NS1 [Hepati
                                                                       42.4
                                                                               0.003
                            polyprotein precursor [Hepatitis C vir
                                                                       42.4
                                                                               0.003
gi|471117|dbj|BAA01728.1|
                            core, env, and part of E2/NS1 [Hepatiti
                                                                      42.4
                                                                               0.003
qi|475879|dbj|BAA04042.1|
                            core, env, and part of E2/NS1 [Hepatiti
                                                                      42.4
                                                                               0.003
gi | 475875 | dbj | BAA04040.1 |
gi|475871|dbj|BAA04038.1|
                            core, env, and part of E2/NS1 [Hepatiti
                                                                      42.4
                                                                               0.003
gi|475867|dbj|BAA04036.1|
                            core, env, and part of E2/NS1 [Hepatiti
                                                                      42.4
                                                                               0.003
                                                                               0.003
gi|475863|dbj|BAA04034.1|
                            core, env, and part of E2/NS1 [Hepatiti
                                                                       42.4
                                                                       42.4
gi|485801|dbj|BAA06283.1|
                            polyprotein precursor [Hepatitis C vir
                                                                               0.003
gi|532465|gb|AAA21079.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
gi|532463|gb|AAA21078.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
gi|532461|gb|AAA21077.1|
                                                                       42.4
                                                                               0.003
                           polyprotein
                                                                               0.003
                                                                       42.4
gi|532457|gb|AAA21075.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
gi|532455|gb|AAA21074.1|
                           polyprotein
gi|532419|gb|AAA21056.1|
                                                                       42.4
                                                                               0.003
                           polyprotein
                                                                       42.4
                                                                               0.003
gi|532409|gb|AAA21051.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
qi|532405|qb|AAA21049.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
gi|532401|gb|AAA21047.1|
                           polyprotein
                                                                               0.003
gi|532371|gb|AAA21032.1|
                           polyprotein
                                                                       42.4
gi|532369|gb|AAA21031.1|
                           polyprotein
                                                                       42.4
                                                                               0.003
                                                                               0.003
gi|62722731|gb|AAX94667.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                       42.4
gi|62722729|gb|AAX94666.1|
                             core protein [Hepatitis C virus]
                                                                               0.003
gi|62722727|gb|AAX94665.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
                                                                      42.4
gi|62722725|gb|AAX94664.1|
                             core protein [Hepatitis C virus]
                                                                               0.003
gi | 62722723 | gb | AAX94663.1 |
                             core protein [Hepatitis C virus] >...
                                                                       42.4
                                                                               0.003
gi | 62722721 | gb | AAX94662.1 |
                             core protein [Hepatitis C virus]
                                                                      42.4
                                                                               0.003
gi | 62722715 | gb | AAX94659.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi|62722713|gb|AAX94658.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi | 62722711 | gb | AAX94657.1 |
                             core protein [Hepatitis C virus]
                                                                       <u>42.4</u>
                                                                               0.003
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi|62722707|qb|AAX94655.1|
gi|62722703|gb|AAX94653.1|
                             core protein [Hepatitis C virus]
                                                                       <u>42.4</u>
                                                                               0.003
gi|62722701|gb|AAX94652.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
                                                                       42.4
gi|62722687|gb|AAX94645.1|
                             core protein [Hepatitis C virus]
                                                                               0.003
gi|62722675|gb|AAX94639.1|
                                                                      42.4
                                                                               0.003
                             core protein [Hepatitis C virus]
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi|62722671|gb|AAX94637.1|
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi | 62722665 | gb | AAX94634.1 |
                             core protein [Hepatitis C virus]
                                                                       42.4
                                                                               0.003
gi | 62722663 | gb | AAX94633.1 |
                             core protein [Hepatitis C virus]
                                                                               0.003
gi|62722657|qb|AAX94630.1|
                                                                       42.4
                             core protein [Hepatitis C virus]
gi|62722649|gb|AAX94626.1|
                                                                      42.4
                                                                               0.003
gi|37779397|qb|AA086565.1|
                             core protein [Hepatitis C virus]
                                                                       42.0
                                                                               0.004
gi|37779335|gb|AA086534.1|
                             core protein [Hepatitis C virus]
                                                                       42.0
                                                                               0.004
gi | 23268537 | gb | AAN16425.1 |
                             polyprotein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
qi|19744432|qb|AAL96489.1|
                             polyprotein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
gi|443891|emb|CAA82602.1|
                            unnamed protein product [Hepatitis ...
                                                                      42.0
                                                                               0.004
                                                                      42.0
                                                                               0.004
gi|973382|gb|AAA75069.1|
                           core protein [Hepatitis C virus]
gi|973372|gb|AAA75064.1|
                           core protein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
gi | 67482726 | qb | AAY68009.1 |
                             core protein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
gi|56124356|qb|AAV75978.1|
                             core protein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
gi|56124134|gb|AAV75867.1|
                             core protein [Hepatitis C virus]
                                                                       42.0
                                                                               0.004
gi|471113|dbi|BAA03257.1| polyprotein precursor [Hepatitis C vir
                                                                      42.0
                                                                               0.004
qi|1197107|dbj|BAA08582.1| core, env, and part of E2/NS1 [Hepati
                                                                      42.0
                                                                               0.004
gi|1183031|dbj|BAA09891.1| polyprotein [Hepatitis C virus]
                                                                      42.0
                                                                               0.004
```

```
core protein [Hepatitis C virus]
                                                                       41.6
                                                                               0.005
gi|37779323|gb|AA086528.1|
                             polyprotein [Hepatitis C virus]
                                                                       41.6
                                                                               0.005
gi|3550759|dbj|BAA32664.1|
                                                                       41.6
                                                                               0.005
                            polyprotein [Hepatitis C virus]
gi|7329211|gb|AAF59945.1|
                             polyprotein [Hepatitis C virus]
                                                                       41.6
                                                                               0.005
gi|33413921|gb|AAP55686.1|
                                                                       41.6
                             polyprotein [Hepatitis C virus]
                                                                               0.005
gi|33413919|gb|AAP55685.1|
                                                                               0.005
                             polyprotein [Hepatitis C virus]
                                                                       41.6
qi|1009255|dbj|BAA07088.1|
                             polyprotein [Hepatitis C virus]
                                                                       41.6
                                                                               0.005
gi|37961928|gb|AAP69953.1|
                                                                       41.2
                                                                               0.006
gi|20146982|gb|AAM09921.1|
                             polyprotein [Hepatitis C virus]
gi | 443911 | emb | CAA82612.1 |
                            unnamed protein product [Hepatitis ...
                                                                       41.2
                                                                               0.006
                             core protein [Hepatitis C virus]
gi|56124188|gb|AAV75894.1|
                                                                       41.2
                                                                               0.006
gi|56124172|gb|AAV75886.1|
                             core protein [Hepatitis C virus] >...
                                                                       41.2
                                                                               0.006
                                                                       41.2
                                                                               0.006
gi|1480853|gb|AAB88631.1|
                            polyprotein
                                                                       41.2
gi|1480851|gb|AAB88630.1|
                            polyprotein
                                                                               0.006
                                                                               0.006
gi|62722673|gb|AAX94638.1|
                             core protein [Hepatitis C virus]
                                                                       41.2
                                                                               0.008
gi|1009251|dbj|BAA07086.1|
                             polyprotein [Hepatitis C virus]
                                                                       40.8
gi|558521|dbj|BAA06044.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
gi|37779381|gb|AA086557.1|
                             core protein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
                             polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
gi|20146972|gb|AAM09916.1|
gi|20146956|gb|AAM09908.1|
                             polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
gi|20146954|gb|AAM09907.1|
                             polyprotein [Hepatitis C virus] >g...
                                                                       40.8
                                                                               0.008
                                                                               0.008
gi | 2462304 | emb | CAA73640.1 |
                             polyprotein [Hepatitis C virus type 5
                                                                       40.8
gi|44885924|dbj|BAD11954.1|
                                                                       40.8
                                                                               0.008
                              polyprotein [Hepatitis C virus type
                              core protein [Hepatitis C virus]
gi|56783349|emb|CAG77588.1|
                                                                       40.8
                                                                               0.008
                                                                       40.8
                                                                               0.008
gi|9864800|gb|AAB32182.2|
                            putative core protein [Hepatitis C vir
gi|56124300|qb|AAV75950.1|
                             core protein [Hepatitis C virus]
                                                                               0.008
                                                                       40.8
gi | 7650248 | gb | AAF65955.1 |
                            polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
qi|7341103|qb|AAF61205.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
                                                                       40.8
                                                                               0.008
                              polyprotein [Hepatitis C virus]
gi|27544244|dbj|BAC54896.1|
gi|27531310|dbj|BAC54267.1|
                              poly protein [Hepatitis C virus type
                                                                       40.8
                                                                               0.008
                                                                       40.8
gi|21670941|dbj|BAC02480.1|
                              polyprotein [Hepatitis C virus type
                                                                               0.008
                              polyprotein [Hepatitis C virus type
                                                                       40.8
                                                                               0.008
gi|21670931|dbj|BAC02475.1|
gi|21670881|dbj|BAC02450.1|
                              polyprotein [Hepatitis C virus type
                                                                       <u>40.8</u>
                                                                               0.008
gi|21670877|dbj|BAC02448.1|
                              polyprotein [Hepatitis C virus type
                                                                       40.8
                                                                               0.008
                                                                               0.008
                                                                       40.8
gi|21670855|dbj|BAC02437.1|
                              polyprotein [Hepatitis C virus type
gi|11559469|dbj|BAB18814.1|
                              polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
gi|38489528|gb|AAR21449.1|
                                                                               0.008
                             polyprotein [Hepatitis C virus] >g...
                                                                       40.8
                                                                       40.8
gi|7444402|pir||JC5620
                        genome polyprotein - hepatitis C virus (i
                                                                               0.008
                            nucleocapsid protein [Hepatitis C viru
                                                                       40.8
gi|1930116|gb|AAB51537.1|
                                                                               0.008
gi|9956899|gb|AAG09121.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.8
                                                                               0.008
gi|1944376|dbj|BAA19625.1|
                             unnamed protein product [Hepatitis C
                                                                       40.8
                                                                               0.008
gi|532439|gb|AAA21066.1|
                           polyprotein
                                                                       40.8
                                                                               0.008
gi|532383|gb|AAA21038.1|
                           polyprotein
                                                                       40.8
                                                                               0.008
gi|130466|sp|P26660|POLG HCVJ6 Genome polyprotein [Contains: ...
                                                                       40.4
                                                                               0.011
gi|38492205|gb|AAR22408.1|
                             polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|30841404|gb|AAP34680.1|
gi|30841366|gb|AAP34661.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi|30841364|qb|AAP34660.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|30841360|gb|AAP34658.1|
gi|30841352|gb|AAP34654.1|
                             core protein [Hepatitis C virus] > ...
                                                                       40.4
                                                                               0.011
gi|30841346|gb|AAP34651.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
gi|30841342|gb|AAP34649.1|
                                                                       40.4
                                                                               0.011
                             polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|29691498|qb|AA089512.1|
                                                                       40.4
                            polyprotein [synthetic construct] > ...
                                                                               0.011
gi | 6010588 | qb | AAF01182.1 |
gi|6010586|gb|AAF01181.1|
                            polyprotein [synthetic construct] >...
                                                                       40.4
                                                                               0.011
gi|42411861|gb|AAS15455.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi|42411475|gb|AAS15262.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi | 42411459 | gb | AAS15254.1 |
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
gi|42411427|qb|AAS15238.1|
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                               0.011
gi|42411421|gb|AAS15235.1|
                                                                       40.4
gi | 42411415 | gb | AAS15232.1 |
                             core protein [Hepatitis C virus]
                                                                               0.011
                                                                       40.4
                                                                               0.011
gi | 42411413 | gb | AAS15231.1 |
                             core protein [Hepatitis C virus]
                                                                       <u>40.4</u>
gi | 42411409 | gb | AAS15229.1 |
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|42411397|qb|AAS15223.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
gi|62132061|gb|AAX68854.1|
                                                                       40.4
                                                                               0.011
                             HCV polyprotein [Hepatitis C virus ty
gi|2252490|emb|CAA72338.1|
                                                                       40.4
                                                                               0.011
                             polyprotein [Hepatitis C virus]
                                                                               0.011
gi | 2764398 | emb | CAA03854.1 |
                                                                       40.4
gi|50365966|qb|AAT76284.1|
                                                                               0.011
                             polyprotein [Hepatitis C virus]
                                                                       40.4
```

```
putative core protein [Hepatitis C vir
                                                                       40.4
                                                                               0.011
gi|9864799|gb|AAB32183.2|
                                                                       40.4
                             polyprotein [Hepatitis C virus]
                                                                               0.011
gi | 67811002 | gb | AAY82051.1 |
                                                                       40.4
                                                                               0.011
                             polyprotein [Hepatitis C virus]
gi|67810855|qb|AAY82015.1|
                                                                               0.011
                             polyprotein [Hepatitis C virus]
                                                                       40.4
gi|67810853|gb|AAY82014.1|
                                                                               0.011
                             polyprotein [Hepatitis C virus]
                                                                       40.4
gi|67810851|gb|AAY82013.1|
gi|67810849|gb|AAY82012.1|
                             polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                                                                               0.011
gi|56124320|gb|AAV75960.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                             core protein [Hepatitis C virus]
                                                                       40.4
gi|56124256|gb|AAV75928.1|
                                                                               0.011
gi|56124230|gb|AAV75915.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124228|gb|AAV75914.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124226|gb|AAV75913.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124224|gb|AAV75912.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi|56124218|gb|AAV75909.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124214|qb|AAV75907.1|
                                                                               0.011
gi|56124210|gb|AAV75905.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124208|gb|AAV75904.1|
gi|56124206|gb|AAV75903.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi|56124204|gb|AAV75902.1|
                                                                       40.4
                                                                               0.011
gi|56124202|gb|AAV75901.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124198|gb|AAV75899.1|
                             core protein [Hepatitis C virus]
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124196|gb|AAV75898.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124190|gb|AAV75895.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124186|gb|AAV75893.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124182|gb|AAV75891.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124146|gb|AAV75873.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|56124088|gb|AAV75844.1|
                                                                       40.4
                                                                               0.011
gi|56124086|gb|AAV75843.1|
                             core protein [Hepatitis C virus]
gi|7650260|gb|AAF65961.1|
                            polyprotein [Hepatitis C virus]
                                                                       <u>40.4</u>
                                                                               0.011
                            polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|7650256|gb|AAF65959.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi | 7417024 | gb | AAF62412.1 |
gi|7417022|gb|AAF62411.1|
                            polyprotein [Hepatitis C virus]
                                                                       <u>40.4</u>
                                                                               0.011
                                                                       40.4
gi|7329209|gb|AAF59944.1|
                            polyprotein [Hepatitis C virus]
                                                                               0.011
                                                                       40.4
gi|7329201|gb|AAF59940.1|
                            polyprotein [Hepatitis C virus]
                                                                               0.011
qi|7110396|qb|AAF36920.1|
                            polyprotein [Hepatitis C virus type...
                                                                       40.4
                                                                               0.011
                            polyprotein [Hepatitis C virus]
gi|6979730|gb|AAF34618.1|
                                                                       40.4
                                                                               0.011
                            polyprotein [Hepatitis C virus]
gi | 6979724 | gb | AAF34615.1 |
                                                                       40.4
                                                                               0.011
                            polyprotein [Hepatitis C virus]
gi|6707280|gb|AAF25610.1|
                                                                       40.4
                                                                               0.011
gi|6468045|gb|AAF13294.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                            polyprotein [Hepatitis C virus]
gi|5918963|gb|AAD56197.1|
                                                                       40.4
                                                                               0.011
                            polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|5918961|gb|AAD56196.1|
gi|6010580|qb|AAF01178.1|
                            polyprotein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|130465|sp|P27960|POLG_HCVJ5 Genome polyprotein [Contains: ...
                                                                       40.4
                                                                               0.011
gi|66735436|gb|AAY53900.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
gi|66735428|gb|AAY53896.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|66735426|gb|AAY53895.1|
                             core protein [Hepatitis C virus] >...
                                                                       40.4
                                                                               0.011
                                                                       40.4
gi|66735422|gb|AAY53893.1|
                             core protein [Hepatitis C virus]
                                                                               0.011
                                                                       40.4
gi|66735420|gb|AAY53892.1|
                             core protein [Hepatitis C virus]
                                                                               0.011
                             core protein [Hepatitis C virus] > ...
                                                                       40.4
                                                                               0.011
gi|66735418|gb|AAY53891.1|
                             polyprotein [Hepatitis C virus] >g...
                                                                      40.4
                                                                               0.011
gi|38489492|gb|AAR21431.1|
                                                                       40.4
gi|1066620|qb|AAC42194.1|
                                                                               0.011
                            core protein
gi|1066612|gb|AAC42190.1|
                            core protein
                                                                       40.4
                                                                               0.011
gi|1066608|gb|AAC42188.1|
                            core protein
                                                                       40.4
                                                                               0.011
qi | 45160578 | qb | AAS55349.1 |
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|45160576|gb|AAS55348.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
gi|45160556|gb|AAS55338.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                               0.011
gi|45160426|gb|AAS55273.1|
                                                                       40.4
qi|45160406|gb|AAS55263.1|
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
                             core protein [Hepatitis C virus]
                                                                       40.4
                                                                               0.011
qi|45160376|qb|AAS55248.1|
gi|40795729|gb|AAR91576.1|
                             core protein [Hepatitis C virus type
                                                                       40.4
                                                                               0.011
                                                                       40.4
                                                                               0.011
gi|40795689|gb|AAR91556.1|
                             core protein [Hepatitis C virus type
gi|6730995|dbj|BAA89816.1|
                             polyprotein [Hepatitis C virus]
                                                                       <u>40.4</u>
                                                                               0.011
gi|13122270|dbj|BAB32876.1|
                                                                               0.011
                              polyprotein [Hepatitis C virus]
                                                                       40.4
gi | 13122268 | dbj | BAB32875.1|
                              polyprotein [Hepatitis C virus]
                                                                               0.011
                                                                       40.4
gi|13122266|dbj|BAB32874.1|
                              polyprotein [Hepatitis C virus]
                                                                               0.011
                                                                       40.4
                                                                       40.4
                              polyprotein [Hepatitis C virus]
                                                                               0.011
gi|13122264|dbj|BAB32873.1|
                              core protein [Hepatitis C virus]
gi|18148504|dbj|BAB83288.1|
                                                                               0.011
                                                                       40.4
                              core protein [Hepatitis C virus]
gi|18148494|dbj|BAB83283.1|
                                                                       40.4
                                                                               0.011
```

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gi|18148478|dbj|BAB83275.1| core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
                                                                    40.4
                             core protein [Hepatitis C virus]
                                                                            0.011
gi|18148476|dbj|BAB83274.1|
                                                                            0.011
gi|18148466|dbj|BAB83269.1| core protein [Hepatitis C virus]
                                                                    40.4
gi|18148462|dbj|BAB83267.1| core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
                             core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
gi|18148695|dbj|BAB83379.1|
                                                                            0.011
gi|18148683|dbj|BAB83373.1|
                             core protein [Hepatitis C virus]
                                                                    40.4
                             core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
qi|18148675|dbj|BAB83369.1|
gi|474978|dbj|BAA03730.1| polyprotein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
qi|1009267|dbj|BAA07094.1| core, env, and part of E2/NS1 [Hepatit
                                                                    40.4
                                                                            0.011
gi|1197119|dbj|BAA08585.1|
                            core, env, and part of E2/NS1 [Hepati
                                                                    40.4
                                                                            0.011
gi|804844|dbj|BAA06748.1|
                           core [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
                                                                    40.4
gi|804824|dbj|BAA06742.1|
                           core [Hepatitis C virus]
                                                                            0.011
gi|464178|dbj|BAA03581.1| polyprotein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
                           core protein [Hepatitis C virus] >g...
gi|938025|dbj|BAA02882.1|
                                                                    40.4
                                                                            0.011
                                                                            0.011
                           polyprotein precursor [Hepatitis C vir
                                                                    40.4
gi|780115|dbj|BAA05399.1|
gi|93951|pir||JQ0881 genome polyprotein - hepatitis C virus (str
                                                                    40.4
                                                                            0.011
gi|532441|gb|AAA21067.1| polyprotein
                                                                    40.4
                                                                            0.011
gi|532437|gb|AAA21065.1| polyprotein
                                                                    40.4
                                                                            0.011
gi|62722739|gb|AAX94671.1| core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
                            core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
gi|62722733|gb|AAX94668.1|
                            core protein [Hepatitis C virus]
                                                                    40.4
                                                                            0.011
gi|62722705|gb|AAX94654.1|
                            polyprotein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi | 4753721 | emb | CAB41951.1 |
                            polyprotein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi | 4753719 | emb | CAB41950.1 |
                                                                    40.0
gi|22324791|gb|AAM95639.1|
                            core protein [Hepatitis C virus]
                                                                            0.014
                            polyprotein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|22212866|gb|AAM94419.1|
gi|51862061|gb|AAU11693.1| core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|51862054|gb|AAU11692.1| core protein [Hepatitis C virus] >...
                                                                    40.0
                                                                            0.014
gi|51862039|gb|AAU11690.1| core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|51861979|gb|AAU11683.1| core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|51861971|qb|AAU11682.1| core protein [Hepatitis C virus] >...
                                                                    40.0
                                                                            0.014
                           core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
qi|51861956|qb|AAU11680.1|
                           core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|51861941|qb|AAU11678.1|
gi|51861820|gb|AAU11662.1| core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
                                                                    40.0
qi|51861813|qb|AAU11661.1| core protein [Hepatitis C virus] >...
                                                                            0.014
gi|51861806|gb|AAU11660.1|
                            core protein [Hepatitis C virus] >...
                                                                    40.0
                                                                            0.014
                            core protein [Hepatitis C virus]
gi|51861784|gb|AAU11657.1|
                                                                    40.0
                                                                            0.014
                            core protein [Hepatitis C virus]
                                                                    40.0
gi|51861776|gb|AAU11656.1|
                                                                            0.014
gi|51861760|gb|AAU11655.1|
                            core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
gi|51861753|gb|AAU11654.1| core protein [Hepatitis C virus] >...
                                                                    40.0
                                                                            0.014
gi|51861694|gb|AAU11647.1| core protein [Hepatitis C virus]
                                                                    40.0
                                                                            0.014
```

Alignments

```
Get selected sequences
                           Select all
                                     Deselect all
> [gi|20146970|gb|AAM09915.1] polyprotein [Hepatitis C virus]
         Length=115
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 86
           > [gi|19744446|qb|AAL96496.1] polyprotein [Hepatitis C virus]
         Length=115
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 86
```

```
Length=3018
 Score = 45.8 \text{ bits (107)}, Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
>  gi|44885956|dbj|BAD11970.1| polyprotein [Hepatitis C virus type 8a]
         Length=117
 Score = 45.8 \text{ bits } (107), \text{ Expect} = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> I gi|44885942|dbj|BAD11963.1| polyprotein [Hepatitis C virus type 6a]
         Length=117
Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
         LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ..... 114
> [] gi|44885938|dbj|BAD11961.1| polyprotein [Hepatitis C virus type 6a]
         Length=117
 Score = 45.8 \text{ bits (107)}, Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
gi|44885932|dbj|BAD11958.1| polyprotein [Hepatitis C virus type 6a]
         Length=117
 Score = 45.8 \text{ bits (107)}, Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> 🗔 gi|44885934|dbj|BAD11959.1| polyprotein [Hepatitis C virus type 6a]
         Length=117
Score = 45.8 bits (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> \boxed{ gi | 3550761 | dbj | BAA32665.1 }  polyprotein [Hepatitis C virus]
         Length=3013
Score = 45.8 bits (107), Expect = 3e-04
```

> Trgi|2326455|emb|CAA72801.1| polyprotein [Hepatitis C virus type 6a]

```
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [ gi|7274367|gb|AAF44741.1| core structural protein [Hepatitis C virus]
 qi|7274363|qb|AAF44739.1| core structural protein [Hepatitis C virus]
          Length=191
 Score = 45.8 \text{ bits } (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [gi|7274365|gb|AAF44740.1| core structural protein [Hepatitis C virus]
          Length=191
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [gi|56124348|gb|AAV75974.1] core protein [Hepatitis C virus]
 gi|56124346|qb|AAV75973.1| core protein [Hepatitis C virus]
gi|56124342|gb|AAV75971.1|core protein [Hepatitis C virus]gi|56124340|gb|AAV75970.1|core protein [Hepatitis C virus]gi|56124338|gb|AAV75969.1|core protein [Hepatitis C virus]
 gi|56124336|gb|AAV75968.1| core protein [Hepatitis C virus]
 gi|56124334|gb|AAV75967.1| core protein [Hepatitis C virus]
gi|56124332|gb|AAV75966.1| core protein [Hepatitis C virus]

      gi|56124328|gb|AAV75964.1|
      core protein [Hepatitis C virus]

      gi|56124326|gb|AAV75963.1|
      core protein [Hepatitis C virus]

      gi|56124324|gb|AAV75962.1|
      core protein [Hepatitis C virus]

          Length=126
 Score = 45.8 \text{ bits } (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
Length=126
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
           LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ..... 114
> Igi|56124322|gb|AAV75961.1| core protein [Hepatitis C virus]
          Length=125
Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
```

```
> gi | 1066618 | gb | AAC42193.1 | core protein
         Length=319
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
           LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> i qi|974351|qb|AAB40040.1| core protein [Hepatitis C virus]
         Length=191
 Score = 45.8 \text{ bits (107)}, Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [gi|974347|gb|AAB40038.1] core protein [Hepatitis C virus type 6]
         Length=191
 Score = 45.8 \text{ bits (107)}, Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> Tigi|1009263|dbj|BAA07092.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> figi|1009261|dbj|BAA07091.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
 Score = 45.8 \text{ bits } (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> 🗔 gi|1009259|dbj|BAA07090.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 \text{ bits (107)}, Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> Igi|1009271|dbj|BAA07271.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 bits (107), Expect = 3e-04
```

```
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
          LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ..... 114
> figi|1765887|dbj|BAA13625.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 bits (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [gi|1765885|dbj|BAA13624.1] core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 \text{ bits (107)}, Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
          LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ..... 114
> [ gi|1765877|dbj|BAA13620.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
 Score = 45.8 bits (107), Expect = 3e-04
 Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
         LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ..... 114
> Tigi|1765875|dbj|BAA13619.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 \text{ bits (107)}, Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> figi|1765873|dbj|BAA13618.1| core, env and part of E2/NS1 [Hepatitis C virus]
         Length=414
Score = 45.8 \text{ bits (107)}, Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> figi|1765870|dbj|BAA13616.1| core, env, and part of E2/NS1 [Hepatitis C virus]
         Length=415
Score = 45.8 bits (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
```

```
>  gi|532381|gb|AAA21037.1| polyprotein
        Length=191
Score = 45.8 bits (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
         LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97
        > igi|57791994|gb|AAW56714.1| polyprotein [Hepatitis C virus type 6a]
        Length=3019
Score = 45.8 bits (107), Expect = 3e-04
Identities = 18/18 (100%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
        LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ..... 114
> [gi|56124344|gb|AAV75972.1] core protein [Hepatitis C virus]
        Length=126
Score = 43.9 bits (102), Expect = 0.001
Identities = 17/17 (100%), Positives = 17/17 (100%), Gaps = 0/17 (0%)
Query 1
         LLSPRGSRPHWGPNDPR 17
Sbjct 97 ..... 113
Length=319
Score = 43.1 \text{ bits } (100), \text{ Expect} = 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
        LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ...... 114
> [gi|38147542|gb[AAR12079.1] polyprotein [Hepatitis C virus]
        Length=317
Score = 43.1 \text{ bits } (100), \text{ Expect} = 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
        LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ...... 114
Length=121
Score = 43.1 \text{ bits } (100), \text{ Expect} = 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ...... 114
Length=121
Score = 43.1 \text{ bits } (100), \text{ Expect} = 0.002
```

4

```
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
         LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 97 ...... 114
Length=121
Score = 43.1 \text{ bits } (100), \text{ Expect} = 0.002
 Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
Sbjct 97 ...... 114
>  gi|20146986|gb|AAM09923.1| polyprotein [Hepatitis C virus]
        Length=115
 Score = 43.1 \text{ bits } (100), \text{ Expect = } 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
         LLSPRGSRPHWGPNDPRR 18
Query 1
Sbjct 86 ...... 103
> [ gi|20146978|gb|AAM09919.1| polyprotein [Hepatitis C virus]
        Length=115
Score = 43.1 bits (100), Expect = 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
         LLSPRGSRPHWGPNDPRR 18
> [ gi|20146974|gb|AAM09917.1| polyprotein [Hepatitis C virus]
        Length=115
Score = 43.1 \text{ bits } (100), \text{ Expect = } 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 86 ...... 103
> [gi|20146968|gb|AAM09914.1| polyprotein [Hepatitis C virus]
gi|19744438|qb|AAL96492.1| polyprotein [Hepatitis C virus]
        Length=115
 Score = 43.1 bits (100), Expect = 0.002
 Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1 LLSPRGSRPHWGPNDPRR 18
Sbjct 86
         ..... 103
>  gi|22135572|gb|AAM93266.1| core protein [Hepatitis C virus]
        Length=119
 Score = 43.1 bits (100), Expect = 0.002
Identities = 17/18 (94%), Positives = 18/18 (100%), Gaps = 0/18 (0%)
Query 1
          LLSPRGSRPHWGPNDPRR 18
Sbjct 92
         ..... 109
```



results of NIAST

BLASTP 2.2.11 [Jun-05-2005]

Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1121179181-28542-107958595989.BLASTQ4

Query=

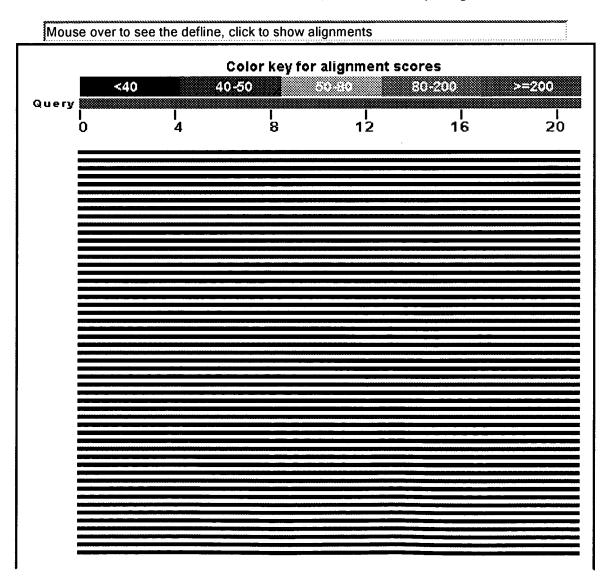
(21 letters) GCSFSIFLLALL SCLTIPHSA JONOTYPE Specific

Database: All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding environmental samples 2,662,429 sequences; 907,986,452 total letters

If you have any problems or questions with the results of this search please refer to the ${\tt BLAST\ FAQs}$

Taxonomy reports

Distribution of 500 Blast Hits on the Query Sequence



```
Ε
                                                                        Score
Sequences producing significant alignments:
                                                                        (Bits)
                                                                                Value
                                                                        45.1
                                                                                5e-04
qi|130458|sp|P26663|POLG HCVBK Genome polyprotein [Contains: ...
                              polyprotein [Hepatitis C virus]
gi|54401521|gb|AAV34565.1|
                                                                        45.1
                                                                                5e-04
                                                                                5e-04
gi | 54401517 | gb | AAV34563.1 |
                              polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                        45.1
                                                                                5e-04
                              polyprotein [Hepatitis C virus]
gi|54401515|gb|AAV34562.1|
                                                                                5e-04
gi|54401513|gb|AAV34561.1|
                              polyprotein [Hepatitis C virus] >g...
                                                                        45.1
qi|2326455|emb|CAA72801.1|
                                                                                5e-04
                              polyprotein [Hepatitis C virus type 6
                                                                        45.1
                                                                        45.1
                              envelope protein [Hepatitis C virus]
                                                                                5e-04
gi|30088473|gb|AAP20805.1|
                                                                                5e-04
gi|52631646|gb|AAU85248.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631644|gb|AAU85247.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
gi|52631640|gb|AAU85245.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
                                                                        45.1
                                                                                5e-04
                              core-envelope 1 protein [Hepatitis C
gi|52631638|qb|AAU85244.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi | 52631636 | gb | AAU85243.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi | 52631634 | gb | AAU85242.1 |
                                                                        45.1
                                                                                5e-04
gi|52631632|gb|AAU85241.1|
                              core-envelope 1 protein [Hepatitis C
gi|52631626|gb|AAU85238.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
qi | 52631624 | qb | AAU85237.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
                                                                        45.1
gi|52631622|gb|AAU85236.1|
                              core-envelope 1 protein [Hepatitis C
                                                                                5e-04
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631620|gb|AAU85235.1|
gi|52631618|gb|AAU85234.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi | 52631616 | gb | AAU85233.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631614|gb|AAU85232.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631612|gb|AAU85231.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631610|gb|AAU85230.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
gi|52631608|gb|AAU85229.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                                5e-04
                              core-envelope 1 protein [Hepatitis C
gi|52631606|gb|AAU85228.1|
                                                                        45.1
                                                                                5e-04
                                                                        45.1
gi|52631602|gb|AAU85226.1|
                              core-envelope 1 protein [Hepatitis C
                                                                                5e-04
gi|52631600|gb|AAU85225.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        <u>45.1</u>
                                                                                5e-04
                                                                                5e-04
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
gi|52631598|gb|AAU85224.1|
                              core-envelope 1 protein [Hepatitis C
gi|52631458|gb|AAU85154.1|
                                                                        45.1
                                                                                5e-04
gi|52631456|gb|AAU85153.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        45.1
                                                                               ∙ 5e-04
gi|3550765|dbj|BAA32667.1|
                              polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
                                                                        45.1
gi|3550763|dbj|BAA32666.1|
                              polyprotein [Hepatitis C virus]
                                                                                5e-04
gi | 3550761 | dbj | BAA32665.1 |
                                                                        45.1
                                                                                5e-04
                              polyprotein [Hepatitis C virus]
                                                                                5e-04
gi|50365966|gb|AAT76284.1|
                              polyprotein [Hepatitis C virus]
                                                                        45.1
gi|913996|gb|AAB34375.1|
                                                                                5e-04
                           polyprotein [Hepatitis C virus]
                                                                        45.1
gi | 9864799 | gb | AAB32183.2 |
                            putative core protein [Hepatitis C vir
                                                                       45.1
                                                                                5e-04
gi|46403779|gb|AAS92951.1|
                              E1E2 region of HCV polyprotein [synth
                                                                       <u>45.1</u>
                                                                                5e-04
                             E1E2 region of HCV polyprotein [sy...
                                                                                5e-04
gi | 46403777 | qb | AAS92950.1 |
                                                                        45.1
gi|46403773|gb|AAS92948.1|
                             E1E2 region of HCV polyprotein [synth
                                                                       45.1
                                                                                5e-04
                             E1E2 region of HCV polyprotein [synth
gi|46403771|gb|AAS92947.1|
                                                                                5e-04
                                                                       45.1
gi|46403769|gb|AAS92946.1|
                              E1E2 region of HCV polyprotein [synth
                                                                       45.1
                                                                                5e-04
                              E1E2 region of HCV polyprotein [synth
gi|46403767|gb|AAS92945.1|
                                                                       45.1
                                                                                5e-04
gi|62362180|gb|AAX81527.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
gi|56124062|qb|AAV75831.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
                                                                                5e-04
gi|56124000|gb|AAV75800.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
gi|56123918|gb|AAV75759.1|
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
gi | 56123914 | qb | AAV75757.1 |
                             polyprotein [Hepatitis C virus]
                                                                       45.1
gi | 56123912 | qb | AAV75756.1 |
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
gi|56123910|gb|AAV75755.1|
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
gi | 56123908 | qb | AAV75754.1 |
                             polyprotein [Hepatitis C virus]
                                                                       <u>45.1</u>
                                                                                5e-04
gi | 56123906 | gb | AAV75753.1 |
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
gi | 56123904 | gb | AAV75752.1 |
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
gi|56123902|gb|AAV75751.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
gi|56123900|gb|AAV75750.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
gi|56123898|qb|AAV75749.1|
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
                                                                        45.1
gi|56123892|gb|AAV75746.1|
                             polyprotein [Hepatitis C virus]
                                                                                5e-04
gi|56123890|gb|AAV75745.1|
                             polyprotein [Hepatitis C virus]
                                                                        45.1
                                                                                5e-04
gi|56123888|gb|AAV75744.1|
                             polyprotein [Hepatitis C virus]
                                                                       45.1
                                                                                5e-04
```

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polyprotein [Hepatitis C virus]
                                                                               5e-04
                                                                      45.1
gi|56123886|gb|AAV75743.1|
                                                                      45.1
                                                                               5e-04
                             polyprotein [Hepatitis C virus]
gi | 56123884 | gb | AAV75742.1 |
                                                                      45.1
                                                                               5e-04
                             polyprotein [Hepatitis C virus]
gi|56123880|qb|AAV75740.1|
                                                                      45.1
                                                                               5e-04
gi|56123878|gb|AAV75739.1|
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                             polyprotein [Hepatitis C virus]
gi|56123876|gb|AAV75738.1|
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|56123874|gb|AAV75737.1|
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|56123872|gb|AAV75736.1|
                                                                      45.1
                                                                               5e-04
gi|56123870|gb|AAV75735.1|
                             polyprotein [Hepatitis C virus]
gi|56123868|qb|AAV75734.1|
                             polyprotein [Hepatitis C virus]
                                                                      <u>45.1</u>
                                                                               5e-04
gi|56123866|gb|AAV75733.1|
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi | 56123864 | qb | AAV75732.1 |
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                                                                      45.1
                                                                               5e-04
gi|56123860|gb|AAV75730.1|
                             polyprotein [Hepatitis C virus]
gi|7650252|qb|AAF65957.1|
                            polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                                                                      45.1
                            polyprotein [Hepatitis C virus] .
                                                                               5e-04
qi|7650248|qb|AAF65955.1|
                            polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|7650242|gb|AAF65952.1|
gi|7650238|gb|AAF65950.1|
                            polyprotein [Hepatitis C virus]
                                                                      <u>45.1</u>
                                                                               5e-04
gi|7650224|gb|AAF65943.1|
                            polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                              polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi | 27544244 | dbj | BAC54896.1 |
                                                                      45.1
                            polyprotein [Hepatitis C virus]
                                                                               5e-04
gi|5918963|gb|AAD56197.1|
gi|5918961|qb|AAD56196.1|
                                                                      45.1
                                                                               5e-04
                            polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|21670911|dbj|BAC02465.1|
                              polyprotein [Hepatitis C virus type
gi|21670895|dbj|BAC02457.1|
                                                                      45.1
                                                                               5e-04
                              polyprotein [Hepatitis C virus type
                              polyprotein [Hepatitis C virus type
                                                                      45.1
                                                                               5e-04
gi|21670879|dbj|BAC02449.1|
gi|21670875|dbj|BAC02447.1|
                              polyprotein [Hepatitis C virus type
                                                                      45.1
                                                                               5e-04
                                                                      45.1
gi|21670857|dbj|BAC02438.1|
                              polyprotein [Hepatitis C virus type
                                                                               5e-04
gi|58220846|gb|AAW68050.1|
                             envelope protein [synthetic construct
                                                                      45.1
                                                                               5e-04
                                                                      45.1
                                                                               5e-04
                              polyprotein [Hepatitis C virus]
gi|11559443|dbj|BAB18801.1|
                                                                      45.1
                                                                               5e-04
gi|1066620|gb|AAC42194.1|
                            core protein
                                                                      45.1
                                                                               5e-04
gi|1066618|gb|AAC42193.1|
                            core protein
                                                                      45.1
                                                                               5e-04
gi|1066604|qb|AAC42186.1|
                            core protein
                                                                      45.1
                                                                               5e-04
gi|3283982|qb|AAC25417.1|
                            core protein [Hepatitis C virus]
                                                                      <u>45.1</u>
                                                                               5e-04
qi|1480857|qb|AAB88633.1|
                            polyprotein
                                                                      45.1
                                                                               5e-04
gi|1480855|gb|AAB88632.1|
                            polyprotein
                                                                      45.1
                                                                               5e-04
gi|1480853|gb|AAB88631.1|
                            polyprotein
gi|1480851|gb|AAB88630.1|
                            polyprotein
                                                                      45.1
                                                                               5e-04
                                                                      45.1
gi|1724052|gb|AAB40071.1|
                            core protein [Hepatitis C virus]
                                                                               5e-04
                                                                      45.1
gi|320211|pir||JH0711 genome polyprotein - hepatitis C virus ...
                                                                               5e-04
gi|18148618|dbj|BAB83345.1|
                              core protein [Hepatitis C virus] ...
                                                                      45.1
                                                                               5e - 04
gi|18148534|dbj|BAB83303.1|
                              core protein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                                                                      45.1
                                                                               5e-04
gi|18148524|dbj|BAB83298.1|
                              core protein [Hepatitis C virus]
gi|18148514|dbj|BAB83293.1|
                              core protein [Hepatitis C virus]
                                                                      <u>45.1</u>
                                                                               5e-04
gi|18148512|dbj|BAB83292.1|
                              core protein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|18148502|dbj|BAB83287.1|
                              core protein [Hepatitis C virus] ...
                                                                      45.1
                                                                               5e-04
gi|18148725|dbj|BAB83394.1|
                              core protein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
gi|1944376|dbj|BAA19625.1|
                             unnamed protein product [Hepatitis C
                                                                      45.1
                                                                               5e-04
gi|1009263|dbj|BAA07092.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
gi|1009261|dbj|BAA07091.1|
                                                                      45.1
gi|1009257|dbj|BAA07089.1|
                             core, env, and part of E2/NS1 [Hepatit
                                                                               5e-04
gi|1246377|dbj|BAA09976.1|
                             polyprotein [Hepatitis C virus]
                                                                      45.1
                                                                               5e-04
                             polyprotein [Hepatitis C virus]
                                                                      45.1
gi|1246371|dbj|BAA09974.1|
                                                                               5e-04
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
gi|1009271|dbj|BAA07271.1|
                                                                               5e - 04
                            core, env and part of E2/NS1 [Hepatiti
                                                                      45.1
                                                                               5e-04
gi|601937|dbj|BAA06739.1|
                             El and E2/NS1 envelope glycoprotein [
                                                                      45.1
                                                                               5e-04
gi|1405417|dbj|BAA09919.1|
gi|1765891|dbj|BAA13627.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
gi|1765889|dbj|BAA13626.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
                             core, env and part of E2/NS1 [Hepatit
gi|1765885|dbj|BAA13624.1|
                                                                      45.1
                                                                               5e-04
qi|1765883|dbj|BAA13623.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
qi|1765879|dbj|BAA13621.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
gi|1765877|dbj|BAA13620.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
                                                                      45.1
                             core, env and part of E2/NS1 [Hepatit
gi|1765875|dbj|BAA13619.1|
                                                                               5e-04
                            core, env and part of E2/NS1 [Hepatiti
                                                                      45.1
                                                                               5e-04
gi|600265|dbj|BAA13617.1|
gi|1765870|dbj|BAA13616.1|
                             core, env, and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
gi|1765868|dbj|BAA13615.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
gi|1765866|dbj|BAA13614.1|
                             core, env and part of E2/NS1 [Hepatit
                                                                      45.1
                                                                               5e-04
                                                                      45.1
gi|532455|gb|AAA21074.1| polyprotein
                                                                               5e-04
                                                                      45.1
                                                                               5e-04
gi|532383|gb|AAA21038.1|
                           polyprotein
qi|532381|qb|AAA21037.1|
                                                                      45.1
                                                                               5e-04
                          polyprotein
```

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polyprotein [Hepatitis C virus type 6
                                                                        <u>45.1</u>
gi|57791994|gb|AAW56714.1|
                                                                                 5e-04
                              core-envelope 1 protein [Hepatitis C
                                                                        44.3
gi | 52631642 | gb | AAU85246.1 |
                                                                                 9e-04
                              core-envelope 1 protein [Hepatitis C
                                                                        44.3
                                                                                 9e-04
qi|52631630|qb|AAU85240.1|
                                                                                 9e-04
                              core-envelope 1 protein [Hepatitis C
                                                                        44.3
gi|52631628|gb|AAU85239.1|
gi|3550759|dbj|BAA32664.1|
                              polyprotein [Hepatitis C virus]
                                                                        44.3
                                                                                 9e - 04
gi|56123916|gb|AAV75758.1|
                              polyprotein [Hepatitis C virus]
                                                                        44.3
                                                                                 9e - 04
gi|56123846|gb|AAV75723.1|
                              polyprotein [Hepatitis C virus]
                                                                        44.3
                                                                                 9e-04
gi|1009267|dbj|BAA07094.1|
                              core, env, and part of E2/NS1 [Hepatit
                                                                        44.3
                                                                                 9e-04
gi|1009265|dbj|BAA07093.1|
                              core, env and part of E2/NS1 [Hepatit
                                                                        44.3
                                                                                 9e - 04
gi|1009255|dbj|BAA07088.1|
                              polyprotein [Hepatitis C virus]
                                                                        44.3
                                                                                 9e-04
gi | 532445 | gb | AAA21069.1 |
                                                                        44.3
                                                                                 9e-04
                            polyprotein
gi|37961928|gb|AAP69953.1|
                              polyprotein [Hepatitis C virus]
                                                                        44.3
                                                                                 9e-04
gi|42411147|gb|AAS15098.1|
                              core protein [Hepatitis C virus]
                                                                        43.5
                                                                                 0.002
                                                                        43.5
                                                                                 0.002
qi|807181|qb|AAB31747.1|
                            polyprotein(E2, NS1, gp35, E1, core ...
gi|685059|gb|AAB30839.1|
                            gp70=putative second envelope glycop...
                                                                        43.5
                                                                                 0.002
gi|56123882|gb|AAV75741.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.5
                                                                                 0.002
gi|56123862|gb|AAV75731.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.5
                                                                                 0.002
gi|7650230|gb|AAF65946.1|
                             polyprotein [Hepatitis C virus]
                                                                        43.5
                                                                                 0.002
gi|5918967|gb|AAD56199.1|
                             polyprotein [Hepatitis C virus]
                                                                        <u>43.5</u>
                                                                                 0.002
                                                                        43.5
gi|5918965|gb|AAD56198.1|
                             polyprotein [Hepatitis C virus]
                                                                                 0.002
                                                                        43.5
gi|221647|dbj|BAA00594.1|
                            putative envelope protein [Hepatitis C
                                                                                 0.002
gi|21670893|dbj|BAC02456.1|
                               polyprotein [Hepatitis C virus type
                                                                        43.5
                                                                                 0.002
gi|21670865|dbj|BAC02442.1|
                               polyprotein [Hepatitis C virus type
                                                                        43.5
                                                                                 0.002
                               polyprotein [Hepatitis C virus]
gi|11559461|dbj|BAB18810.1|
                                                                        43.5
                                                                                 0.002
gi|974347|qb|AAB40038.1| core protein [Hepatitis C virus type 6]
                                                                        43.5
                                                                                 0.002
                              core, env and part of E2/NS1 [Hepatit
                                                                        43.5
                                                                                 0.002
gi|1009259|dbj|BAA07090.1|
gi|1469844|dbj|BAA06048.1|
                              El protein [Hepatitis C virus] >gi...
                                                                        43.5
                                                                                 0.002
gi|1765887|dbj|BAA13625.1|
                              core, env and part of E2/NS1 [Hepatit
                                                                        43.5
                                                                                 0.002
gi|1765881|dbj|BAA13622.1|
                              core, env and part of E2/NS1 [Hepatit
                                                                                 0.002
                                                                        <u>43.5</u>
gi|1765873|dbj|BAA13618.1|
                              core, env and part of E2/NS1 [Hepatit
                                                                        43.5
                                                                                 0.002
gi|567060|gb|AAA52748.1| polyprotein
                                                                        43.5
                                                                                 0.002
qi|306287|qb|AAA45721.1|
                           putative
                                                                        43.5
                                                                                 0.002
                                                                        43.5
gi|532459|gb|AAA21076.1|
                           polyprotein
                                                                                 0.002
gi|532387|gb|AAA21040.1|
                           polyprotein
                                                                        43.5
                                                                                 0.002
                                                                        43.1
gi|643120|emb|CAA58888.1|
                             orf [Hepatitis C virus] >qi|281308|...
                                                                                 0.002
                             polyprotein [Hepatitis C virus]
gi|464172|dbj|BAA03732.1|
                                                                        43.1
                                                                                 0.002
gi|410166|gb|AAA20153.1|
                            structural region
                                                                        <u>43.1</u>
                                                                                 0.002
gi|845494|qb|AAA67838.1|
                           precursor protein [Hepatitis C virus...
                                                                        43.1
                                                                                 0.002
gi|845492|gb|AAA67837.1|
                           precursor protein [Hepatitis C virus...
                                                                        43.1
                                                                                 0.002
gi|794179|gb|AAA65782.1|
                                                                                 0.002
                           precursor protein
                                                                        43.1
gi | 794190 | gb | AAA65821.1 |
                           precursor protein
                                                                                 0.002
                                                                        43.1
gi|794180|gb|AAA65783.1|
                           precursor protein
                                                                        43.1
                                                                                 0.002
gi|38147611|gb|AAR12107.1|
                             polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|37964185|gb|AAR06174.1|
                              core protein [Hepatitis C virus] >...
                                                                        43.1
                                                                                 0.002
                              core protein [Hepatitis C virus]
gi|13958007|gb|AAK50756.1|
                                                                        43.1
                                                                                 0.002
gi|13958005|gb|AAK50755.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|13958003|qb|AAK50754.1|
                              core protein [Hepatitis C virus] >...
                                                                        43.1
                                                                                 0.002
gi|130455|sp|P26664|POLG HCV1
                                 Genome polyprotein [Contains: C...
                                                                                 0.002
                                                                        43.1
gi|130461|sp|P27958|POLG HCVH
                                 Genome polyprotein [Contains: C...
                                                                        43.1
                                                                                 0.002
                              core protein [Hepatitis C virus] > ...
                                                                        43.1
gi | 42411923 | gb | AAS15486.1 |
                                                                                 0.002
gi | 42411921 | gb | AAS15485.1 |
                              core protein [Hepatitis C virus] > ...
                                                                                 0.002
                                                                        43.1
gi | 42411919 | qb | AAS15484.1 |
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi | 42411917 | qb | AAS15483.1 |
                              core protein [Hepatitis C virus]
                                                                                 0.002
                                                                        43.1
gi | 42411913 | gb | AAS15481.1 |
                              core protein [Hepatitis C virus] >...
                                                                        43.1
                                                                                 0.002
gi | 42411903 | gb | AAS15476.1 |
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|42411901|gb|AAS15475.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|42411893|gb|AAS15471.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi | 42411889 | gb | AAS15469.1 |
                              core protein [Hepatitis C virus]
                                                                                 0.002
                                                                        43.1
gi|42411883|gb|AAS15466.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|42411879|gb|AAS15464.1|
                             core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
<u>qi|42411841|gb|AAS15445.1|</u>
                              core protein [Hepatitis C virus] >...
                                                                        43.1
                                                                                 0.002
gi | 42411835 | gb | AAS15442.1 |
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                0.002
qi | 42411823 | qb | AAS15436.1 |
                              core protein [Hepatitis C virus] > ...
                                                                        43.1
                                                                                0.002
gi | 42411803 | gb | AAS15426.1 |
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                0.002
gi|42411801|qb|AAS15425.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                0.002
gi | 42411793 | gb | AAS15421.1 |
                              core protein [Hepatitis C virus]
                                                                                0.002
                                                                        <u>43.1</u>
gi | 42411783 | gb | AAS15416.1 |
                              core protein [Hepatitis C virus]
                                                                        <u>43.1</u>
                                                                                0.002
```

```
core protein [Hepatitis C virus]
                                                                                  0.002
                                                                         <u>43.1</u>
gi | 42411781 | gb | AAS15415.1 |
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
qi | 42411741 | qb | AAS15395.1 |
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
qi|42411733|gb|AAS15391.1|
                              core protein [Hepatitis C virus]
                                                                                  0.002
gi|42411731|gb|AAS15390.1|
                                                                         43.1
                              core protein [Hepatitis C virus]
                                                                                  0.002
gi|42411725|gb|AAS15387.1|
                                                                         43.1
gi | 42411723 | gb | AAS15386.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                                  0.002
gi|42411719|gb|AAS15384.1|
                                                                         43.1
                                                                                  0.002
gi|42411717|gb|AAS15383.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
gi | 42411713 | qb | AAS15381.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411707|gb|AAS15378.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411701|gb|AAS15375.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         <u>43.1</u>
                                                                                  0.002
gi | 42411699 | gb | AAS15374.1 |
gi|42411683|gb|AAS15366.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
qi|42411675|qb|AAS15362.1|
                                                                                  0.002
gi|42411659|gb|AAS15354.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi | 42411655 | gb | AAS15352.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
gi | 42411651 | gb | AAS15350.1 |
gi | 42411633 | gb | AAS15341.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
gi|42411619|gb|AAS15334.1|
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
gi | 42411571 | gb | AAS15310.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411565 | gb | AAS15307.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411541 | gb | AAS15295.1 |
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi|42411475|gb|AAS15262.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411467|gb|AAS15258.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411463|qb|AAS15256.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411459 | gb | AAS15254.1 |
                                                                                  0.002
                                                                         43.1
                              core protein [Hepatitis C virus]
gi | 42411457 | gb | AAS15253.1 |
                                                                                  0.002
gi|42411431|gb|AAS15240.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi|42411429|gb|AAS15239.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
gi | 42411427 | gb | AAS15238.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
qi | 42411423 | qb | AAS15236.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                                                                         43.1
                                                                                  0.002
gi | 42411417 | gb | AAS15233.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411415 | gb | AAS15232.1 |
                              core protein [Hepatitis C virus]
gi | 42411413 | gb | AAS15231.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
gi | 42411411 | gb | AAS15230.1 |
                                                                         43.1
                                                                                 0.002
gi | 42411403 | gb | AAS15226.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
gi | 42411397 | gb | AAS15223.1 |
                                                                         43.1
                                                                                  0.002
gi|42411391|gb|AAS15220.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi|42411379|gb|AAS15214.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus] >...
                                                                                  0.002
gi|42411359|gb|AAS15204.1|
                                                                         43.1
gi|42411293|gb|AAS15171.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411277 | gb | AAS15163.1 |
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi | 42411263 | gb | AAS15156.1 |
gi | 42411249 | gb | AAS15149.1 |
                              core protein [Hepatitis C virus]
                                                                         <u>43.1</u>
                                                                                  0.002
                                                                                  0.002
gi|42411229|gb|AAS15139.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
gi|42411191|gb|AAS15120.1|
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi|42411139|gb|AAS15094.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411119|gb|AAS15084.1|
                                                                         43.1
                              core protein [Hepatitis C virus]
                                                                                  0.002
gi|42411115|gb|AAS15082.1|
gi|42411107|gb|AAS15078.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus] >...
                                                                         43.1
                                                                                  0.002
gi|42411099|gb|AAS15074.1|
gi|42411097|gb|AAS15073.1|
                                                                         43.1
                              core protein [Hepatitis C virus]
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411095|qb|AAS15072.1|
gi|42411089|gb|AAS15069.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|42411083|gb|AAS15066.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              core protein [Hepatitis C virus]
                                                                                  0.002
gi|42411081|qb|AAS15065.1|
                                                                         43.1
gi|62199616|gb|AAX76905.1|
                              core protein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                             polyprotein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
gi|1372958|qb|AAB02127.1|
gi|23957857|gb|AAD44718.2|
                              polyprotein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                                                                         43.1
gi|794195|gb|AAA65798.1| precursor protein
                                                                                  0.002
gi | 54401489 | gb | AAV34549.1 |
                              polyprotein [Hepatitis C virus] >g...
                                                                         43.1
                                                                                  0.002
                                                                                  0.002
gi | 54401481 | gb | AAV34545.1 |
                              polyprotein [Hepatitis C virus] >g...
                                                                         43.1
gi | 54401479 | qb | AAV34544.1 |
                              polyprotein [Hepatitis C virus]
                                                                         43.1
                                                                                  0.002
                              polyprotein [Hepatitis C virus]
gi | 54401471 | gb | AAV34540.1 |
                                                                         43.1
                                                                                  0.002
                                                                         43.1
                              HCV polyprotein [Hepatitis C virus ty
                                                                                  0.002
gi|2252490|emb|CAA72338.1|
<u>gi|59483|emb|CAA43789.1|</u> JK3 [Hepatitis C virus] >gi|77118|pi...
                                                                         43.1
                                                                                  0.002
gi|52631496|qb|AAU85173.1| core-envelope 1 protein [Hepatitis...
                                                                         <u>43.1</u>
                                                                                  0.002
```

```
core-envelope 1 protein [Hepatitis C
                                                                                 0.002
                                                                        <u>43.1</u>
gi | 52631494 | gb | AAU85172.1 |
                                                                        43.1
                                                                                 0.002
gi | 52631492 | gb | AAU85171.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631490|gb|AAU85170.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631488|gb|AAU85169.1|
                              core-envelope 1 protein [Hepatitis C
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631484|gb|AAU85167.1|
gi | 52631482 | gb | AAU85166.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
qi|52631480|gb|AAU85165.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631478|gb|AAU85164.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631476|gb|AAU85163.1|
                              core-envelope 1 protein [Hepatitis...
                                                                        43.1
                                                                                 0.002
gi | 52631474 | gb | AAU85162.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi | 52631472 | gb | AAU85161.1 |
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631470|gb|AAU85160.1|
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi|52631468|gb|AAU85159.1|
                                                                        43.1
                                                                                 0.002
qi|52631464|qb|AAU85157.1|
                              core-envelope 1 protein [Hepatitis C
                              core-envelope 1 protein [Hepatitis C
                                                                                 0.002
gi|52631454|qb|AAU85152.1|
                                                                        43.1
                              core-envelope 1 protein [Hepatitis C
                                                                        43.1
                                                                                 0.002
gi | 52631452 | gb | AAU85151.1 |
                                                                         43.1
                                                                                 0.002
gi | 52631450 | gb | AAU85150.1 |
                              core-envelope 1 protein [Hepatitis C
gi|52367249|gb|AAU45101.1|
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                                                                        43.1
                                                                                 0.002
gi|30141839|emb|CAD89694.1|
                               polyprotein [Hepatitis C virus type
                                                                                 0.002
gi|9843677|emb|CAC03609.1|
                                                                        43.1
                              unnamed protein product [Hepatitis C
gi | 22212866 | gb | AAM94419.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi | 58423413 | emb | CAI47991.1 |
                               unnamed protein product [Hepatitis C
                                                                        43.1
                                                                                 0.002
                                                                        43.1
gi|930030|emb|CAA37293.1|
                             putative envelope protein E1 and E1...
                                                                                 0.002
gi|59474|emb|CAA37292.1|
                            unnamed protein product [Hepatitis C vi
                                                                        43.1
                                                                                 0.002
                             putative envelope protein E1 and E1...
                                                                        43.1
                                                                                 0.002
gi|930029|emb|CAA37291.1|
                                                                                 0.002
                             putative envelope protein E1 and E1...
                                                                        <u>43.1</u>
qi|930027|emb|CAA37295.1|
gi | 21327294 | gb | AAM48245.1 |
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                                                                                 0.002
gi|64501453|gb|AAY41694.1|
                              envelope [Hepatitis C virus]
                                                                        43.1
gi|64501439|gb|AAY41687.1|
                              envelope [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                              envelope [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi | 64501429 | qb | AAY41682.1 |
gi | 64501425 | gb | AAY41680.1 |
                              truncated envelope [Hepatitis C vi...
                                                                        43.1
                                                                                 0.002
gi | 15422183 | gb | AAK95832.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                                                                        43.1
gi|22129793|ref|NP 671491.1|
                                polyprotein [Hepatitis C virus] ...
                                                                                 0.002
                                                                        43.1
gi|385584|gb|AAB27127.1|
                            polyprotein [Hepatitis C virus] >gi|...
                                                                                 0.002
                                                                                 0.002
gi|50235322|gb|AAT69968.1|
                              polyprotein [Hepatitis C virus]
                                                                        <u>43.1</u>
                              core protein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi | 67937402 | qb | AAY83271.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi | 67811059 | qb | AAY82079.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810898|gb|AAY82035.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810896|gb|AAY82034.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810894|gb|AAY82033.1|
                                                                        43.1
                                                                                 0.002
gi|67810892|gb|AAY82032.1|
                              polyprotein [Hepatitis C virus]
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi|67810890|qb|AAY82031.1|
gi|67810887|gb|AAY82030.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810883|gb|AAY82028.1|
                              polyprotein [Hepatitis C virus]
gi | 67810881 | gb | AAY82027.1 |
                                                                        <u>43.1</u>
                                                                                 0.002
gi|67810879|gb|AAY82026.1|
                              polyprotein [Hepatitis C virus]
                                                                        <u>43.1</u>
                                                                                 0.002
                                                                        43.1
                                                                                 0.002
gi|67810877|gb|AAY82025.1|
                              polyprotein [Hepatitis C virus]
                                                                                 0.002
gi|67810875|gb|AAY82024.1|
                              polyprotein [Hepatitis C virus] >g...
                                                                        43.1
                                                                                 0.002
gi | 67810870 | qb | AAY82022.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                              polyprotein [Hepatitis C virus]
                                                                                 0.002
gi|67810868|gb|AAY82021.1|
                                                                        43.1
                              polyprotein [Hepatitis C virus]
                                                                                 0.002
<u>gi|6781</u>0866|gb|AAY82020.1|
                                                                        43.1
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi | 67810864 | gb | AAY82019.1 |
                                                                        43.1
gi|67810861|gb|AAY82018.1|
                              polyprotein [Hepatitis C virus]
                                                                                 0.002
gi|67810859|gb|AAY82017.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810855|gb|AAY82015.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                                                                                 0.002
gi|67810853|gb|AAY82014.1|
                              polyprotein [Hepatitis C virus]
                                                                        <u>43.1</u>
qi | 67810851 | qb | AAY82013.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810849|gb|AAY82012.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi | 67810846 | gb | AAY82011.1 |
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|67810844|gb|AAY82010.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
                                                                                 0.002
gi|67810842|gb|AAY82009.1|
                              polyprotein [Hepatitis C virus]
                                                                        <u>43.1</u>
gi|56124072|gb|AAV75836.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|56123978|gb|AAV75789.1|
                              polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|56123928|gb|AAV75764.1|
                             polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi | 7650234 | qb | AAF65948.1 |
                             polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
qi|48479030|qb|AAT44836.1| polyprotein [Hepatitis C virus]
                                                                        43.1
                                                                                 0.002
gi|845500|qb|AAA67841.1| precursor protein [Hepatitis C virus...
                                                                                 0.002
                                                                        43.1
```

```
43.1
                                                                               0.002
                           precursor protein [Hepatitis C virus...
gi|845496|gb|AAA67839.1|
                                                                               0.002
                                                                       43.1
                           precursor protein [Hepatitis C virus...
qi | 845490 | qb | AAA67836.1 |
                                                                               0.002
                           precursor protein [Hepatitis C virus...
                                                                       43.1
gi|845484|gb|AAA67833.1|
                           precursor protein [Hepatitis C virus...
                                                                               0.002
                                                                      43.1
gi|845476|gb|AAA67829.1|
                                                                               0.002
gi|845474|gb|AAA67828.1|
                           precursor protein [Hepatitis C virus...
                                                                      43.1
                           precursor protein [Hepatitis C virus...
                                                                       43.1
                                                                               0.002
gi|845470|gb|AAA67826.1|
                                                                               0.002
gi|845464|gb|AAA67823.1|
                           precursor protein [Hepatitis C virus...
                                                                       43.1
                                                                               0.002
gi|845434|gb|AAA67808.1|
                           precursor protein [Hepatitis C virus...
                                                                       43.1
gi|221653|dbj|BAA02670.1|
                            polyprotein [Hepatitis C virus type 2]
                                                                      43.1
                                                                               0.002
                             El protein [Hepatitis C virus]
gi|1469855|dbj|BAA06059.1|
                                                                       43.1
                                                                               0.002
                            nucleocapsid protein [synthetic constr
                                                                      43.1
                                                                               0.002
gi|296898|emb|CAA50610.1|
gi|9930557|qb|AAG02099.1|
                            polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
gi|25900893|dbj|BAC41284.1|
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
gi | 25900891 | dbj | BAC41283.1 |
                                                                               0.002
gi|25900889|dbj|BAC41282.1|
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
gi | 25900887 | dbj | BAC41281.1 |
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
gi|25900885|dbj|BAC41280.1|
                                                                               0.002
                                                                       43.1
gi|25900883|dbj|BAC41279.1|
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
gi|25900881|dbj|BAC41278.1|
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
gi|25900879|dbj|BAC41277.1|
                                                                               0.002
gi|25900877|dbj|BAC41276.1|
                              polyprotein [Hepatitis C virus]
                                                                       <u>43.1</u>
                                                                       43.1
                                                                               0.002
gi | 25900875 | dbj | BAC41275.1 |
                              polyprotein [Hepatitis C virus]
                              polyprotein [Hepatitis C virus]
gi|25900873|dbj|BAC41274.1|
                                                                       43.1
                                                                               0.002
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
gi | 25900871 | dbj | BAC41273.1 |
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
gi|25900869|dbj|BAC41272.1|
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
gi | 25900867 | dbj | BAC41271.1 |
                                                                       43.1
                                                                               0.002
gi|25900865|dbj|BAC41270.1|
                              polyprotein [Hepatitis C virus]
                              polyprotein [Hepatitis C virus]
                                                                               0.002
                                                                       43.1
gi|25900863|dbj|BAC41269.1|
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
gi|25900861|dbj|BAC41268.1|
                              polyprotein [Hepatitis C virus type
                                                                       43.1
                                                                               0.002
gi|21670867|dbj|BAC02443.1|
gi|55275810|gb|AAV49743.1|
                             polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
                                                                       43.1
                                                                             0.002
gi | 55275808 | gb | AAV49742.1 |
                             polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
                             polyprotein [Hepatitis C virus]
gi|58429140|gb|AAW78019.1|
                                                                       43.1
                             HCV type la/1b chimera mutant polypro
                                                                               0.002
gi | 14532251 | gb | AAK66557.1 |
gi|14532249|qb|AAK66556.1|
                             HCV type 1a/1b chimera polyprotein...
                                                                       43.1
                                                                               0.002
gi|8926245|gb|AAF81759.1|
                            polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                               0.002
                                                                       43.1
gi|14161281|gb|AAK54688.1|
                             polyprotein [Hepatitis C virus]
                                                                               0.002
gi|2327071|gb|AAB67036.1|
                            polyprotein [Hepatitis C virus strain
                                                                       43.1
                                                                               0.002
                                                                       43.1
                             envelope protein [synthetic construct
                                                                               0.002
gi|58198345|gb|AAW65880.1|
gi|58198343|gb|AAW65879.1|
                             envelope protein [synthetic construct
                                                                       43.1
                                                                               0.002
                             envelope protein [synthetic construct
                                                                      43.1
                                                                               0.002
gi|58198341|gb|AAW65878.1|
                             envelope protein [synthetic construct
qi|58198333|qb|AAW65874.1|
                                                                       43.1
                                                                               0.002
                                                                       43.1
                                                                               0.002
                             envelope protein [synthetic construct
gi|58198315|gb|AAW65865.1|
                             envelope protein [synthetic construct
                                                                       43.1
                                                                               0.002
qi|58198305|qb|AAW65860.1|
                                                                               0.002
gi|11559459|dbj|BAB18809.1|
                              polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                       43.1
                                                                               0.002
                             polyprotein precursor [Hepatitis C vi
gi|13344969|gb|AAK19138.1|
gi|13344967|gb|AAK19137.1|
                             polyprotein precursor [Hepatitis C vi
                                                                      <u>43.1</u>
                                                                               0.002
                             polyprotein precursor [Hepatitis C vi
                                                                      43.1
                                                                               0.002
gi|13344965|gb|AAK19136.1|
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
gi|13344963|gb|AAK19135.1|
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
gi|13344961|gb|AAK19134.1|
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
gi | 13344959 | gb | AAK19133.1 |
                             polyprotein precursor [Hepatitis C vi
gi|13344955|gb|AAK19131.1|
                                                                       43.1
                                                                               0.002
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
qi | 13344953 | qb | AAK19130.1 |
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
gi|13344951|gb|AAK19129.1|
gi|13344949|qb|AAK19128.1|
                             polyprotein precursor [Hepatitis C vi
                                                                       43.1
                                                                               0.002
                                                                       43.1
                                                                               0.002
                             polyprotein precursor [Hepatitis C vi
gi | 13344947 | qb | AAK19127.1 |
                                                                       43.1
                                                                               0.002
gi | 1066606 | gb | AAC42187.1|
                            core protein
                                                                       43.1
                                                                               0.002
gi|1066558|qb|AAC42163.1|
                            core protein
gi|482138|pir||S40770 genome polyprotein - hepatitis C virus ...
                                                                       43.1
                                                                               0.002
gi|2327075|gb|AAB67038.1| polyprotein [Hepatitis C virus strain
                                                                       43.1
                                                                               0.002
                                                                               0.002
gi|2327073|gb|AAB67037.1|
                            polyprotein [Hepatitis C virus strain
                                                                       <u>43.1</u>
gi|742039|prf||2008346A core protein
                                                                               0.002
                                                                       <u>43.1</u>
                                                                       43.1
                                                                               0.002
gi|974345|gb|AAB40037.1| core protein [Hepatitis C virus type 5]
gi|1372959|gb|AAB02128.1|
                                                                       43.1
                                                                               0.002
                            largest ORF
                                                                       43.1
                                                                               0.002
gi|1322346|gb|AAB00216.1|
                            core protein
                                                                       43.1
                                                                               0.002
<u>qi|1322338|qb|AAB00212.1|</u> core protein
gi|540851|pir||A44150 structural protein - hepatitis C virus
                                                                       43.1
                                                                               0.002
```

```
0.002
                                                                       43.1
gi|329736|gb|AAA98989.1|
                           capsid and envelope:x proteins
                                                                       43.1
                                                                                0.002
gi|1173682|gb|AAA86542.1| polyprotein >gi|1173680|gb|AAA86541.1|
                                                                                0.002
                                                                       43.1
gi|1173676|gb|AAA86539.1|
                            polyprotein
                                                                       43.1
                                                                                0.002
gi|437108|gb|AAA75355.1| polyprotein
                                                                                0.002
                                                                       43.1
qi|474978|dbj|BAA03730.1|
                            polyprotein [Hepatitis C virus]
gi | 2580421 | dbj | BAA23132.1 |
                             polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
                                                                                0.002
gi | 221512 | dbj | BAA00705.1 |
                            structural protein [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi|1304099|dbj|BAA07780.1|
                              ORF [Hepatitis C virus]
                                                                       43.1
gi | 4433081 | dbj | BAA07779.1 |
                              ORF [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi | 4433080 | dbj | BAA07778.1 |
                             ORF [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi|4433079|dbj|BAA07777.1|
                             ORF [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi | 1197155 | dbj | BAA08592.1 |
                              core, env, and part of E2/NS1 [Hepati
                                                                       43.1
                                                                                0.002
gi|1197107|dbj|BAA08582.1|
                              core, env, and part of E2/NS1 [Hepati
                                                                       43.1
                                                                                0.002
                            polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi | 464178 | dbj | BAA03581.1 |
                                                                                0.002
qi|1183031|dbj|BAA09891.1|
                             polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
qi|794210|qb|AAA65813.1| precursor protein
                                                                       43.1
                                                                       43.1
                                                                                0.002
                           precursor protein
gi|794204|gb|AAA65807.1|
                                                                       43.1
                                                                                0.002
gi|794196|qb|AAA65799.1|
                           precursor protein
                                                                       43.1
                                                                                0.002
gi | 794192 | gb | AAA65795.1 |
                           precursor protein
                                                                       43.1
                                                                                0.002
gi|532465|gb|AAA21079.1|
                           polyprotein
                                                                                0.002
                                                                       <u>43.1</u>
gi|532463|gb|AAA21078.1|
                           polyprotein
                                                                       43.1
                                                                                0.002
gi|532457|gb|AAA21075.1|
                           polyprotein
                                                                                0.002
                                                                       43.1
gi|532391|gb|AAA21042.1|
                           polyprotein
                                                                       43.1
                                                                                0.002
gi|532373|gb|AAA21033.1|
                           polyprotein
                                                                       43.1
                                                                                0.002
gi|532369|qb|AAA21031.1|
                           polyprotein
                             polyprotein [Hepatitis C virus]
                                                                       43.1
                                                                                0.002
gi|37961926|gb|AAP69952.1|
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus]
gi|1136350|dbj|BAA05414.1|
gi|1136341|dbj|BAA05411.1|
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                                0.003
gi|1136353|dbj|BAA05415.1|
                             polyprotein [Hepatitis C virus] >g...
                                                                       42.7
                                                                       42.7
gi|266821|sp|P29846|POLG HCVTW Genome polyprotein [Contains: ...
                                                                                0.003
gi|55734172|emb|CAH61380.1|
                              envelope glycoproteins E1E2 [Hepatit
                                                                       42.7
                                                                                0.003
gi|54401503|gb|AAV34556.1|
                                                                       42.7
                             polyprotein [Hepatitis C virus] >g...
                                                                                0.003
                                                                       42.7
                                                                                0.003
qi|54401495|qb|AAV34552.1|
                             polyprotein [Hepatitis C virus]
gi|54401493|gb|AAV34551.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
                                                                       42.7
qi|4753721|emb|CAB41951.1|
                             polyprotein [Hepatitis C virus]
                                                                                0.003
gi | 4753719 | emb | CAB41950.1 |
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
                                                                       42.7
                              polyprotein [Hepatitis C virus]
gi | 62006147 | dbj | BAD91386.1 |
                                                                                0.003
gi|1136380|dbj|BAA05424.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi|1136377|dbj|BAA05423.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi|1136374|dbj|BAA05422.1|
gi|1136371|dbj|BAA05421.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi|1136368|dbj|BAA05420.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi|1136365|dbj|BAA05419.1|
                                                                       42.7
gi|1136362|dbj|BAA05418.1|
                             polyprotein [Hepatitis C virus]
                                                                                0.003
                                                                       42.7
gi|1136359|dbj|BAA05417.1|
                             polyprotein [Hepatitis C virus]
                                                                                0.003
                                                                       42.7
                                                                                0.003
gi|257080|gb|AAB23552.1|
                           polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi | 807177 | gb | AAB31744.1 |
                           E2, NS1(gp70, E1, polyprotein, core ...
                                                                       42.7
                            putative core protein [Hepatitis C vir
                                                                                0.003
gi|9864800|gb|AAB32182.2|
                            putative core protein [hepatitis C ...
                                                                       42.7
                                                                                0.003
gi|1176429|gb|AAB35341.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
gi|19879470|gb|AAL50213.1|
                                                                                0.003
                             E1E2 region of HCV polyprotein [synth
                                                                       42.7
                                                                                0.003
gi | 46403765 | gb | AAS92944.1 |
                             E1E2 region of HCV polyprotein [sy...
                                                                       <u>42.7</u>
                                                                                0.003
gi|46403731|gb|AAS92927.1|
                             E1E2 region of HCV polyprotein [sy...
                                                                       42.7
                                                                                0.003
gi | 46403725 | gb | AAS92924.1 |
gi|46403721|gb|AAS92922.1|
                             E1E2 region of HCV polyprotein [synth
                                                                       42.7
                                                                                0.003
gi|19568933|gb|AAL91977.1|
                             polyprotein [Hepatitis C virus type 1
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus type 1
gi|12831193|qb|AAK08509.1|
                                                                       42.7
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
qi|67811065|qb|AAY82082.1|
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
qi | 67811061 | qb | AAY82080.1 |
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
gi|67811057|gb|AAY82078.1|
                                                                       42.7
gi|67811055|qb|AAY82077.1|
                             polyprotein [Hepatitis C virus]
                                                                                0.003
gi|67811052|gb|AAY82076.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
                                                                       42.7
gi|67811050|gb|AAY82075.1|
                             polyprotein [Hepatitis C virus]
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
gi | 67811048 | gb | AAY82074.1 |
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
gi | 67811046 | gb | AAY82073.1 |
                                                                                0.003
                             polyprotein [Hepatitis C virus]
                                                                       42.7
gi|67811044|qb|AAY82072.1|
                                                                                0.003
                             polyprotein [Hepatitis C virus]
gi|67811042|gb|AAY82071.1|
                                                                       <u>42.7</u>
                                                                                0.003
gi|67811040|gb|AAY82070.1|
                             polyprotein [Hepatitis C virus]
                                                                       42.7
                                                                                0.003
```

gi 67811038 gb AAY82069.1	polyprotein	(Hepatitis	С	virus)	42.7	0.003
gi 67811036 gb AAY82068.1	polyprotein				42.7	0.003
gi 67811034 gb AAY82067.1	polyprotein				42.7	0.003
gi 67811032 gb AAY82066.1	polyprotein				42.7	0.003
gi 67811030 gb AAY82065.1	polyprotein				42.7	0.003
gi 67811028 gb AAY82064.1	polyprotein				42.7	0.003
gi 67811026 gb AAY82063.1	polyprotein				42.7	0.003
gi 67811024 gb AAY82062.1	polyprotein				$\frac{1}{42.7}$	0.003
qi 67811022 qb AAY82061.1	polyprotein				42.7	0.003
gi 67811020 gb AAY82060.1	polyprotein				42.7	0.003
gi 67811018 gb AAY82059.1	polyprotein	(Hepatitis	С	virus]	42.7	0.003
gi 67811016 gb AAY82058.1	polyprotein				42.7	0.003
gi 67811014 gb AAY82057.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67811012 qb AAY82056.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67811008 gb AAY82054.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67811006 gb AAY82053.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67811004 gb AAY82052.1	polyprotein	[Hepatitis	С	virus]	<u>42.7</u>	0.003
gi 67811002 gb AAY82051.1	polyprotein	[Hepatitis	С	virus]	<u>42.7</u>	0.003
gi 67810998 gb AAY82049.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67810996 gb AAY82048.1	polyprotein	[Hepatitis	C	virus]	42.7	0.003
gi 67810986 gb AAY82043.1	polyprotein	[Hepatitis	C	virus]	42.7	0.003
gi 67810984 gb AAY82042.1	polyprotein				<u>42.7</u>	0.003
gi 67810982 gb AAY82041.1	polyprotein	[Hepatitis	С	virus]	<u>42.7</u>	0.003
gi 67810980 gb AAY82040.1	polyprotein				42.7	0.003
gi 67810974 gb AAY82037.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
gi 67810972 gb AAY82036.1	polyprotein	-			42.7	0.003
gi 67810840 gb AAY82008.1	polyprotein	_			<u>42.7</u>	0.003
gi 67810838 gb AAY82007.1	polyprotein	_			<u>42.7</u>	0.003
gi 67810836 gb AAY82006.1	polyprotein				42.7	0.003
gi 67810834 gb AAY82005.1	polyprotein				42.7	0.003
gi 56124070 gb AAV75835.1	polyprotein				<u>42.7</u>	0.003
gi 56124068 gb AAV75834.1	polyprotein	_			<u>42.7</u>	0.003
gi 56124066 gb AAV75833.1	polyprotein				<u>42.7</u>	0.003
gi 56124064 gb AAV75832.1	polyprotein				<u>42.7</u>	0.003
gi 56124058 gb AAV75829.1	polyprotein				42.7	0.003
gi 56124056 gb AAV75828.1	polyprotein				<u>42.7</u>	0.003
gi 56124052 gb AAV75826.1	polyprotein				42.7	0.003
gi 56124050 gb AAV75825.1	polyprotein				42.7	0.003
gi 56124048 gb AAV75824.1	polyprotein				42.7	0.003
gi 56124046 gb AAV75823.1	polyprotein	[Hepatitis	С	virus]	42.7	0.003
		•				

Alignments

Deselect all

```
>  qi|130458|sp|P26663|POLG HCVBK Genome polyprotein [Contains: Core protein p19 (Capsid
           C) (p21); Envelope glycoprotein E1 (gp32) (gp35); Envelope
           glycoprotein E2 (NS1) (gp68) (gp70); p7; Protease NS2-3 (p23);
           Serine protease/NTPase/helicase NS3 (3.6.1.15) (Hepacivirin)
           (NS3P) (p70); Nonstructural protein 4A (NS4A) (p8); Nonstructural
           protein 4B (NS4B) (p27); Nonstructural protein 5A
           (NS5A) (p56); RNA-directed RNA polymerase (NS5B) (p68)]
 gi|329771|qb|AAA72945.1| [Hepatitis C virus core, matrix, envelope and non-structural
           protein RNA.], gene product
         Length=3010
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1
           GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 .....
                                  191
```

Select all

Get selected sequences

```
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
        GCSFSIFLLALLSCLTTPASA 21
Query 1
Sbjct 4 ..... 24
> [gi|54401517[gb|AAV34563.1] polyprotein [Hepatitis C virus]
         Length=155.
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1
        GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> [gi|54401515|gb|AAV34562.1| polyprotein [Hepatitis C virus]
         Length=156
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ...... 24
>  gi|54401513|qb|AAV34561.1| polyprotein [Hepatitis C virus]
 gi|54401511|gb|AAV34560.1| polyprotein [Hepatitis C virus]
 gi|54401509|gb|AAV34559.1| polyprotein [Hepatitis C virus]
 gi|54401507|gb|AAV34558.1| polyprotein [Hepatitis C virus]
 gi|54401505|gb|AAV34557.1| polyprotein [Hepatitis C virus]
 gi|54401501|qb|AAV34555.1| polyprotein [Hepatitis C virus]
 gi|54401497|gb|AAV34553.1| polyprotein [Hepatitis C virus]
        Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> gi|2326455|emb|CAA72801.1| polyprotein [Hepatitis C virus type 6a]
         Length=3018
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
         GCSFSIFLLALLSCLTTPASA 21
Query 1
Sbjct 171 ..... 191
Length=341
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1
        GCSFSIFLLALLSCLTTPASA 21
Sbjct 7
         > figi|52631646|gb|AAU85248.1| core-envelope 1 protein [Hepatitis C virus]
```

```
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  gi|52631644|qb|AAU85247.1| core-envelope 1 protein [Hepatitis C virus]
         Length=156
 Score = 45.1 \text{ bits } (105), \text{ Expect} = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> [gi|52631640|qb|AAU85245.1] core-envelope 1 protein [Hepatitis C virus]
         Length=156
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  gi|52631638|gb|AAU85244.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Tigi|52631636|gb|AAU85243.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
Score = 45.1 \text{ bits } (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1
        GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Tigi|52631634|gb|AAU85242.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> gi|52631632|gb|AAU85241.1| core-envelope 1 protein [Hepatitis C virus]
         Length=156
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
```

```
Sbjct 4 ..... 24
> gi|52631626|gb|AAU85238.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> [gi|52631624|qb|AAU85237.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Igi|52631622|gb|AAU85236.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> gi|52631620|gb|AAU85235.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  qi|52631618|qb|AAU85234.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Tigi | 52631616 | gb | AAU85233.1 | core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  gi|52631614|gb|AAU85232.1| core-envelope 1 protein [Hepatitis C virus]
```

Query 1 GCSFSIFLLALLSCLTTPASA 21

```
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> qi|52631612|qb|AAU85231.1| core-envelope 1 protein [Hepatitis C virus]
         Length=156
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> figi | 52631610 | qb | AAU85230.1 | core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  gi|52631608|gb|AAU85229.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> figi|52631606|qb|AAU85228.1| core-envelope 1 protein [Hepatitis C virus]
         Length=156
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Igi|52631602|gb|AAU85226.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  gi|52631600|gb|AAU85225.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
```

```
Sbjct 4 ...... 24
> gi|52631598|gb|AAU85224.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Ouerv 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> Tigi|52631458|qb|AAU85154.1| core-envelope 1 protein [Hepatitis C virus]
         Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
>  qi|52631456|qb|AAU85153.1| core-envelope 1 protein [Hepatitis C virus]
        Length=158
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 4 ..... 24
> [gi|3550765|dbj|BAA32667.1| polyprotein [Hepatitis C virus]
        Length=3015
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> [ qi|3550763|dbj|BAA32666.1| polyprotein [Hepatitis C virus]
        Length=3016
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> [qi|3550761|dbj|BAA32665.1] polyprotein [Hepatitis C virus]
        Length=3013
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> [gi|50365966|qb|AAT76284.1| polyprotein [Hepatitis C virus]
```

Query 1 GCSFSIFLLALLSCLTTPASA 21

```
Length=199
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 173 ..... 193
> [ qi|913996|qb|AAB34375.1| polyprotein [Hepatitis C virus]
         Length=337
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> [ qi|9864799|qb|AAB32183.2| putative core protein [Hepatitis C virus]
         Length=191
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> Tigi | 46403779 | gb | AAS92951.1 | E1E2 region of HCV polyprotein [synthetic construct]
         Length=582
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 2 ..... 22
> Tigi|46403777|gb|AAS92950.1| E1E2 region of HCV polyprotein [synthetic construct]
gi|46403775|gb|AAS92949.1| E1E2 region of HCV polyprotein [synthetic construct]
         Length=582
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 2 ..... 22
>  qi|46403773|qb|AAS92948.1| E1E2 region of HCV polyprotein [synthetic construct]
         Length=583
 Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 2 ...... 22
```

> figi | 46403771 | gb | AAS92947.1 | E1E2 region of HCV polyprotein [synthetic construct]

Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)

Length=583

Score = 45.1 bits (105), Expect = 5e-04

```
Sbjct 2 ...... 22
> Tigi | 46403769 | gb | AAS92946.1 | E1E2 region of HCV polyprotein [synthetic construct]
         Length=583
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 2 ..... 22
> Tigi | 46403767 | gb | AAS92945.1 | E1E2 region of HCV polyprotein [synthetic construct]
         Length=583
 Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 2 ..... 22
>  qi|62362180|gb|AAX81527.1| polyprotein [Hepatitis C virus]
         Length=3015
 Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 171 ..... 191
> [gi|56124062|gb|AAV75831.1| polyprotein [Hepatitis C virus]
         Length=159
Score = 45.1 bits (105), Expect = 5e-04
 Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 13 ..... 33
> [ gi|56124000|qb|AAV75800.1| polyprotein [Hepatitis C virus]
         Length=159
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1 GCSFSIFLLALLSCLTTPASA 21
Sbjct 13 ..... 33
>  gi|56123918|qb|AAV75759.1| polyprotein [Hepatitis C virus]
         Length=159
Score = 45.1 bits (105), Expect = 5e-04
Identities = 21/21 (100%), Positives = 21/21 (100%), Gaps = 0/21 (0%)
Query 1
         GCSFSIFLLALLSCLTTPASA 21
Sbjct 13 .....
```

Query 1 GCSFSIFLLALLSCLTTPASA 21